

## Recombinant Human c-MER (N-GST tag)

Cat No:HR2R1287

For research use only

### Overview

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| Quantity           | 10 ?g                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Gene Symbol        | c-MER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Gene ID            | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Accession          | NM_006343                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Alternative Name   | MER, MERTK, MGC133349                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Species            | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Source             | Insect cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Description        | c-MER is a tyrosine kinase and a member of the MER/AXL/TYRO3 receptor kinase family . The c-MER gene encodes a transmembrane protein with two fibronectin type-III domains, two Ig-like C2-type domains, and one tyrosine kinase domain. Functional knockout of c-MER in mice shows the mice to have macrophages deficient in the clearance of apoptotic thymocytes thereby demonstrating the critical role for c-MER in the engulfment and efficient clearance of apoptotic cells. Defects in c-MER have been associated with retinitis pigmentosa, a phenotype that can be reversed by replacement of the c-MER gene product . |
| Functions          | The specific activity of c-MER was determined to be 1231 nmol /min/mg as per activity assay protocol.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Formulation        | 50mM Tris-HCl, pH 7.5, 150mM NaCl, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Solubility         | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Appearance         | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Molecular Weight   | 58                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Purity             | 70% - 90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Concentration      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Shipping Condition | Dry Ice                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Storage Condition  | Store product at ?70?C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                          |