

Recombinant Human HER4 (N-GST tag)

Cat No:HR2R1492

For research use only

Overview

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| Quantity | 10 ?g |
| Gene Symbol | HER4 |
| Gene ID | N/A |
| Accession | NM_005235 |
| Alternative Name | ERBB4, MGC138404, p180erbB4 |
| Species | Human |
| Source | Insect cells |
| Description | HER4 or ERBB4 is a transmembrane receptor tyrosine kinase that belongs to epidermal growth factor receptor family . Through its interaction with its activating ligand heregulin, HER4 can regulate proliferation and differentiation of cells . HER4 ectodomain is cleaved by a metalloprotease, gamma-secretase that releases the HER4 intracellular domain from the membrane and facilitates its translocation to the nucleus. The kinase activity of HER4 is both necessary and sufficient to trigger an antiproliferative response in human breast cancer cells. Increased expression of HER4 has been detected in various cancers and this usually correlates to better survival.? |
| Functions | The specific activity of HER4 was determined to be 669 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 | 57 |
| 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. |