

## Recombinant Human ACK (N-GST tag)

Cat No:HR2R1119

For research use only

### Overview

|                    |   |
|--------------------|---|
| Quantity           | 10 ?g   |
| Gene Symbol        | ACK   |
| Gene ID            | N/A   |
| Accession          | NM_005781   |
| Alternative Name   | TNK2, ACK1, FLJ44758, FLJ45547, p21cdc42Hs  |
| Species            | Human   |
| Source             | Insect cells  |
| Description        | <p>ACK is a tyrosine kinase that binds CDC42Hs in its GTP-bound form and inhibits both the intrinsic and GTPase-activating protein (GAP)-stimulated GTPase activity of CDC42Hs . Overexpression of ACK in cancer cell lines of epithelial origin increases cellular motility and invasiveness. In a mouse model, ACK overexpression enhances the ability of a human breast cancer cell line to metastasize to the lung and increased mortality . Ligand stimulation of alpha-3 beta-1 integrin leads to activation of ACK which then enhances p130CAS phosphorylation and activation of RAC.?</p> |
| Functions          | The specific activity of ACK was determined to be 20 nmol/min/mg as per activity assay protocol   |
| Formulation        | 50mM Tris-HCl, pH 7.5, 150mM NaCl, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.  |
| Solubility         | N/A   |
| Appearance         | Liquid  |
| Molecular Weight   | 66  |
| 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.   |