

## **Recombinant Human TRKC (N-His tag)**

Cat No:HR2R2034

For research use only

## Overview

| Quantity              | 10 ?g   |
|-----------------------|---|
| Gene Symbol           | TRKC  |
| Gene ID               | N/A   |
| Accession             | NM_001012338  |
| Alternative<br>Name   | NTRK3, gp145(trkC)  |
| Species               | Human   |
| Source                | Insect cells  |
| Description           | TRKC is a member of the TRK family of tyrosine kinase receptors and is the high affinity catalytic receptor for the neurotrophin NT-3 (neurotrophin-3). TRKC mediates the multiple cellular effects of the NT-3 neurotrophic factor, which includes neuronal differentiation and survival . TRKC has been implicated in insulin signaling pathway through interactions with the MUSK protein receptor and the VEGF receptor. Mutations in the TRKC gene have been associated with medulloblastomas, secretory breast carcinomas and other cancers . |
| Functions             | The specific activity of TRKC was determined to be 24 nmol/min/mg as per activity assay protoco   |
| 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<br>Weight   | 38  |
| Purity                | 70% - 90%   |
| Concentration         |   |
| Shipping<br>Condition | Dry Ice   |
| Storage<br>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.   |