

# Human TrkB/NTRK2 (His & Fc Tag) recombinant protein



Catalog Number: 503265

## General Information

### Gene Name Synonym

GP145-TrkB; Neurotrophic tyrosine kinase receptor type 2; TrkB tyrosine kinase; Tropomyosin-related kinase B

### Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-His 430) of human TrkB (NP\_001007098.1) precursor was fused with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the carboxy-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its ability to bind mouse BDNF in functional ELISA.

### Purity

> 90 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu\text{g}$  of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at  $-70^{\circ}\text{C}$

### Predicted N terminal

Cys 32

## Molecular Mass

The recombinant human TrkB/Fc is a disulfide-linked homodimer. The reduced monomer consists of 646 amino acids and has a predicted molecular mass of 72 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rhTrkB/Fc monomer is approximately 110-120 kDa due to glycosylation.

## Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

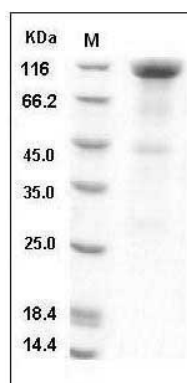
### Storage

Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ . It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

## SDS-PAGE



Human TrkB / NTRK2 Protein (His & Fc Tag) SDS-PAGE