

# Human TrkC/NTRK3 (His Tag) recombinant protein



Catalog Number: 502387

## General Information

### Gene Name Synonym

Neurotrophic tyrosine kinase, receptor, type 3, isoform CRA\_e

### Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-Asp 428) of human TrkC (NP\_001007157.1) was expressed with a C-terminal polyhistidine tag.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Immobilized human TrkC-His at 10 µg/ml (100 µl/well) can bind biotinylated human NT3 (Cat:10286-HNA), The EC<sub>50</sub> of biotinylated human NT3 (Cat:10286-HNA) is 0.03-0.07 µg/ml.

### Purity

> 95 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Cys 32

## Molecular Mass

The recombinant human TrkC consists of 408 amino acids and has a calculated molecular mass of 46.1 kDa. As a result of glycosylation, the recombinant protein migrates as an approximately 80-90 kDa protein in SDS-PAGE under reducing conditions.

## 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

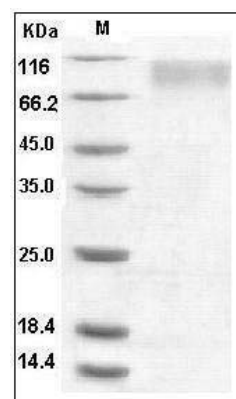
### Storage

Store it under sterile conditions at -20°C to -80°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 TrkC / NTRK3 Protein (His Tag) SDS-PAGE