

# Human TrkA/NTRK1 (aa 194-413, His Tag) recombinant protein



Catalog Number: 503580

## General Information

### Gene Name Synonym

Neurotrophic tyrosine kinase receptor type 1; TRK1-transforming tyrosine kinase protein; Tropomyosin-related kinase A; Tyrosine kinase receptor; Tyrosine kinase receptor A; gp140trk; p140-TrkA

### Protein Construction

A DNA sequence encoding the amino acid sequence (Pro 194-Glu 413) of human NTRK1 (NP\_002520.2), corresponding to the Ig-like C2-type 1 & 2 domains, was expressed and purified, with a N-terminal polyhistidine tag.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its ability to inhibit NGF-induced proliferation of TF1 human erythroleukemic cells. The ED<sub>50</sub> for this effect is typically 0.5-4 µg/ml in the presence of 10 ng/mL of human NGF.

### 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

His

## Molecular Mass

The recombinant human NTRK1 Ig-like C2-type 1 & 2 domains (aa 194-413) consists of 239 amino acids and has a predicted molecular mass of 26 kDa. As a result of glycosylation, it migrates as an approximately 45-50 kDa band 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

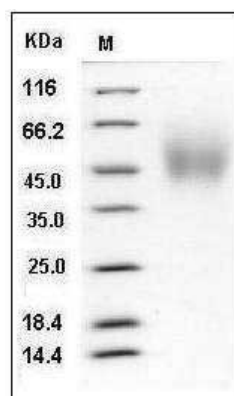
### Storage

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



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