

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 ED₅₀ 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

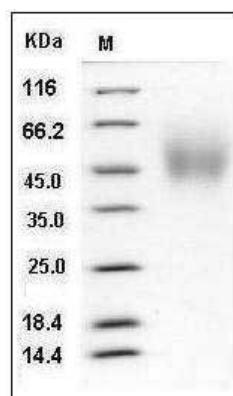
Storage

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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