

Human TrkA/NTRK1 (His & Fc Tag) recombinant protein



Catalog Number: 504133

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 human NTRK1 (NP_002520.2) extracellular domain (Met 1-Pro 382) was fused with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

Measured by its ability to inhibit NGF-induced proliferation of TF-1 human erythroleukemic cells. The ED₅₀ for this effect is typically 0.04-0.15 µg/ml in the presence of 10 ng/ml of recombinant human NGF.

Purity

> 98 % 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

Ala 33

Molecular Mass

The recombinant human NTRK1/Fc is a disulfide-linked homodimer. The reduced monomer consists of 598 amino acids and has a predicted molecular mass of 66 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rh NTRK1/Fc monomer is approximately 85-95 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

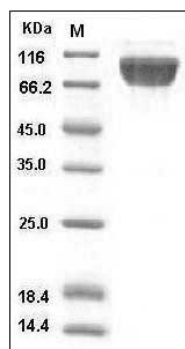
Storage

Store it under sterile conditions at -20°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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Human TrkA / NTRK1 Protein (His & Fc Tag) SDS- PAGE