Human TrkC/NTRK3 (His & Fc Tag) recombinant protein

Catalog Number: 504013

General Information

Gene Name Synonym

Neurotrophic tyrosine kinase, receptor, type 3, isoform CRA_e

Protein Construction

A DNA sequence encoding the extracellular domain (Met1-Asp428) of human TrkC (NP_001007157.1) 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

Immobilized human TrKc-Fch at 10 μg/ml (100 μl/well) can bind biotinylated human NT3 (Cat:10286-HNA), The EC_{50} of biotinylated human NT3 (Cat:10286-HNA) is 23.4-54.6 ng/ml.

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℃

Predicted N terminal

Cys 32

Molecular Mass

The recombinant human TrkC/Fc is a disulfide-linked homodimeric protein after removal of the signal peptide. It consists of 644 amino acids and has a calculated molecular mass of 72.5 kDa. As a result of glycosylation, rh TrkC/Fc monomer migrates as an approximately 110-120 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

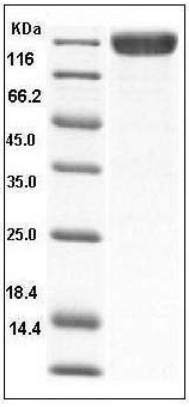
Storage

Store it under sterile conditions at -20℃ to -80℃. 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 & Fc Tag) SDS-PAGE