

Biotinylated Human TrkB / NTRK2 Protein, His,Avitag™ (MALS verified)

Catalog # NT2-H82E3



Synonym

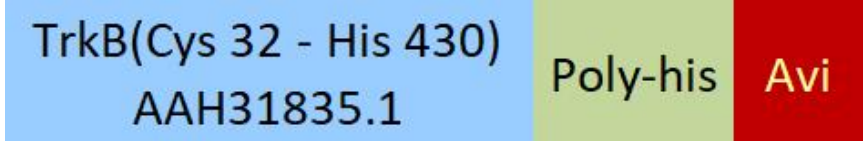
NTRK2, TRKB, GP145-TrkB

Source

Biotinylated Human TrkB Protein, His,Avitag (NT2-H82E3) is expressed from human 293 cells (HEK293). It contains AA Cys 32 - His 430 (Accession # [AAH31835.1](#)).

Predicted N-terminus: Cys 32

Molecular Characterization



[Other Tags and Version Biotin & Other Labeled Version](#)

This protein carries a polyhistidine tag at the C-terminus, followed by an Avi tag (Avitag™). The protein has a calculated MW of 47.9 kDa. The protein migrates as 65-95 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

Labeling

Biotinylation of this product is performed using Avitag™ technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin.

Protein Ratio

Passed as determined by the HABA assay / binding ELISA.

Purity

>95% as determined by SDS-PAGE.

>90% as determined by SEC-MALS.

Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant. Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Storage

For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

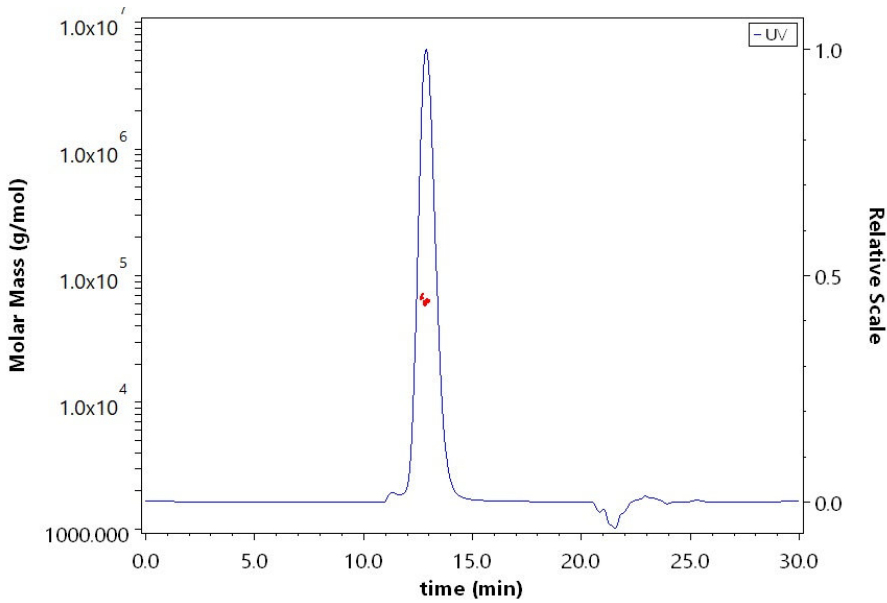
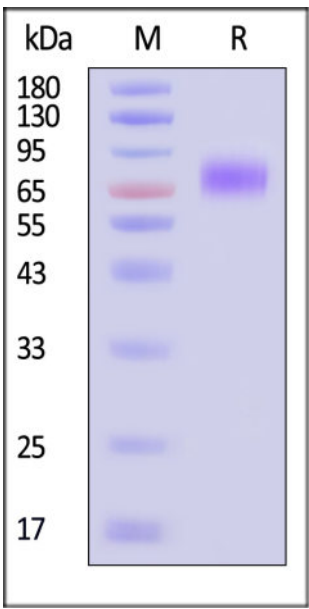
- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

ACRO Quality Management System

- [QMS\(ISO, GMP\)](#).
- [Quality Advantages](#)
- [Quality Control Process](#)

SDS-PAGE

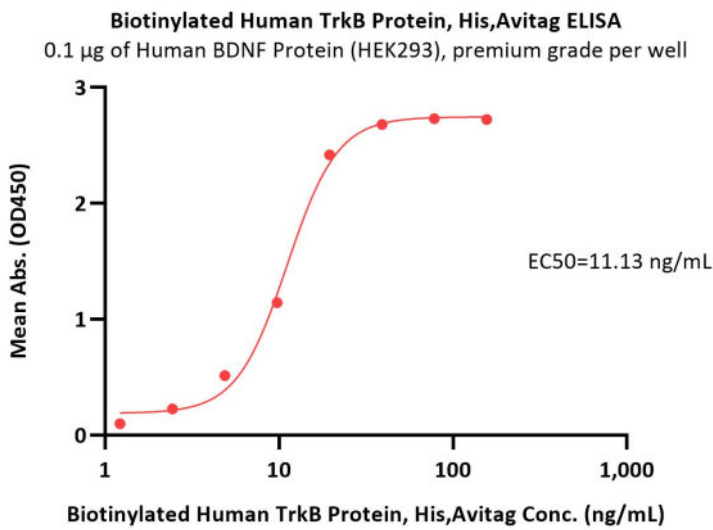
SEC-MALS



Biotinylated Human TrkB Protein, His,Avitag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95% (With [Star Ribbon Pre-stained Protein Marker](#)).

The purity of Biotinylated Human TrkB Protein, His,Avitag (Cat. No. NT2-H82E3) is more than 90% and the molecular weight of this protein is around 55-80 kDa verified by SEC-MALS.

Bioactivity-ELISA



Immobilized Human BDNF Protein (HEK293), premium grade (Cat. No. BDF-H5219) at 1 µg/mL (100 µL/well) can bind Biotinylated Human TrkB Protein, His,Avitag (Cat. No. NT2-H82E3) with a linear range of 1-20 ng/mL (QC tested).

Background

This gene encodes a member of the neurotrophic tyrosine receptor kinase(NTRK)family.This kinase is a membrane-bound receptor that upon neurotrophin binding,phosphorylates itself and members of the MAPK pathway.Signalling through this kinase leads to cell differentiation.Mutations in this gene have been associated with obesity and mood disorders.

Discounts, Gifts,
and more!

www.acrobiosystems.com