



Synonym

TNFRSF1B,CD120b,TBPII,TNF-R-II,TNF-R75,TNFBFR,TNFR1B,TNFR2,TNFR80,p75,p75TNFR

Source

Biotinylated Human TNFR2 Protein, Fc,Avitag(TN2-H82F3) is expressed from human 293 cells (HEK293). It contains AA Leu 23 - Asp 257 (Accession # [P20333-1](#)).

Predicted N-terminus: Leu 23

Molecular Characterization

TNFR2(Leu 23 - Asp 257) P20333-1	Fc(Pro 100 - Lys 330) P01857	Avi
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This protein carries a human IgG1 Fc tag at the C-terminus, followed by an Avi tag (Avitag™).

The protein has a calculated MW of 53.3 kDa. The protein migrates as 65-80 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.

Endotoxin

Less than 1.0 EU per µg by the LAL method.

Purity

>90% 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

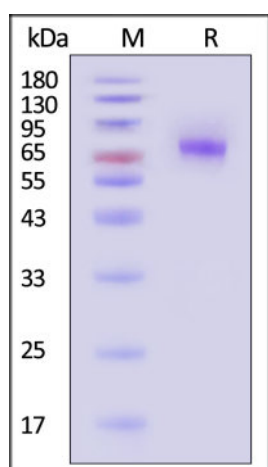
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

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.

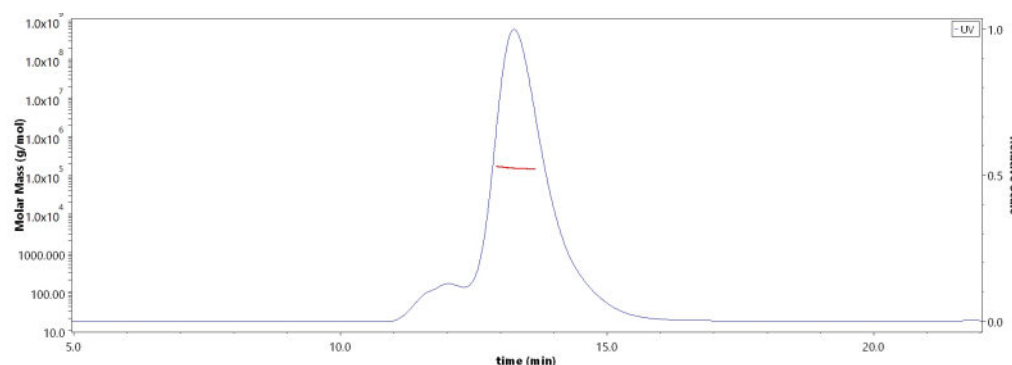
SDS-PAGE



Biotinylated Human TNFR2 Protein, Fc,Avitag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With [Star Ribbon Pre-stained Protein Marker](#)).

Bioactivity-ELISA

SEC-MALS

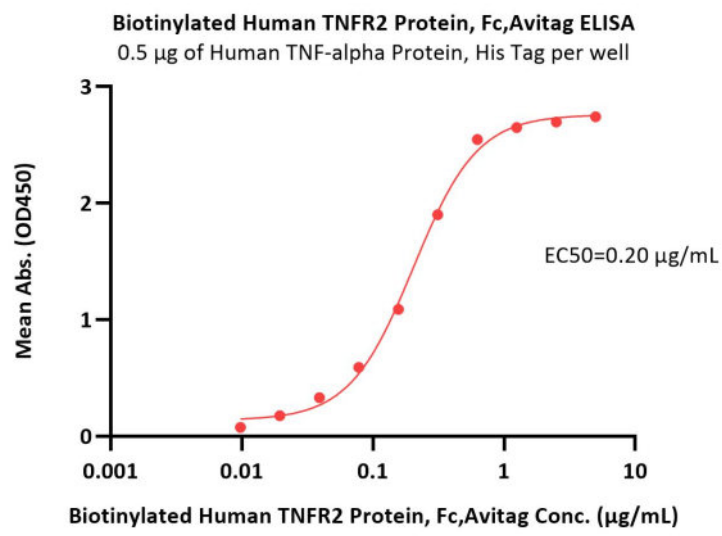


The purity of Biotinylated Human TNFR2 Protein, Fc,Avitag (Cat. No. TN2-H82F3) is more than 90% and the molecular weight of this protein is around 145-170 kDa verified by SEC-MALS.

[Report](#)

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Immobilized Human TNF-alpha Protein, His Tag (Cat. No. TNA-H5228) at 5 µg/mL (100 µL/well) can bind Biotinylated Human TNFR2 Protein, Fc,Avitag (Cat. No. TN2-H82F3) with a linear range of 0.01-0.313 µg/mL (QC tested).

Background

TNFR2 (tumor necrosis factor receptor superfamily member 1B) is a receptor with high affinity for TNFSF2/TNF-alpha. It has a much lower affinity for homotrimeric TNFSF1/lymphotoxin-alpha. The TRAF1/TRAF2 complex recruits the apoptotic suppressors BIRC2 and BIRC3 to TNFRSF1B/TNFR2. TNFR2 mediates most of the metabolic effects of TNF-alpha.

Clinical and Translational Updates

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