

Synonym

TNFRSF1B,CD120b,TBP1I,TNF-R-II,TNF-R75,TNFBR,TNFR1B,TNFR2,TNFR80,p75,p75TNFR

Source

Human TNFR2 / CD120b / TNFRSF1B Protein, Fc Tag(TN2-H5253) 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
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This protein carries a human IgG1 Fc tag at the C-terminus.
The protein has a calculated MW of 51.6 kDa. The protein migrates as 66-68 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per µg by the LAL method / rFC 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

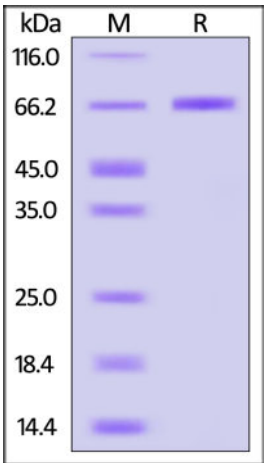
Please see Certificate of Analysis for specific instructions.
For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

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:

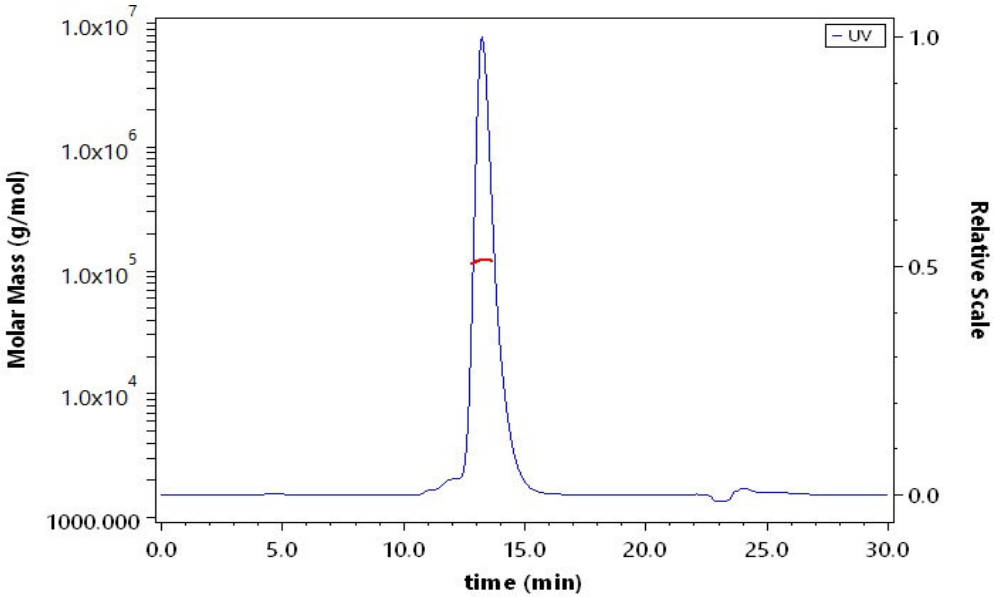
- 20°C to -70°C for 12 months in lyophilized state;
- 70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE



Human TNFR2 / CD120b / TNFRSF1B Protein, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%.

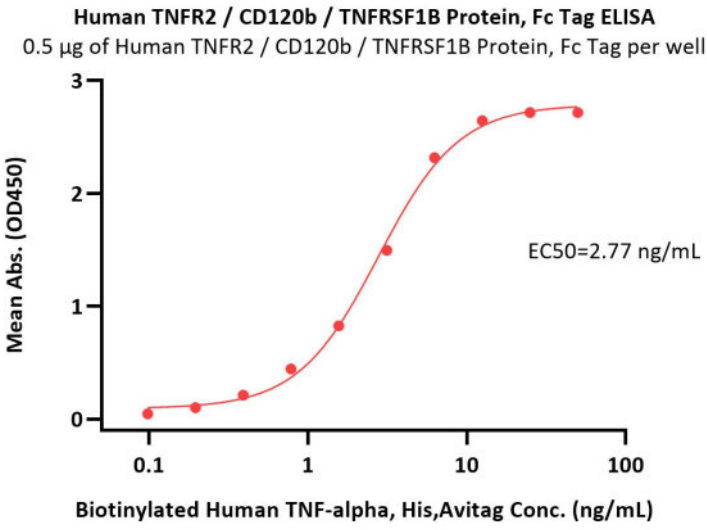
SEC-MALS



The purity of Human TNFR2 / CD120b / TNFRSF1B Protein, Fc Tag (Cat. No. TN2-H5253) is more than 90% and the molecular weight of this protein is around 120-140 kDa verified by SEC-MALS.
[Report](#)

Bioactivity-ELISA





Immobilized Human TNFR2 / CD120b / TNFRSF1B Protein, Fc Tag (Cat. No. TN2-H5253) at 5 µg/mL (100 µL/well) can bind Biotinylated Human TNF-alpha, His,Avitag (Cat. No. TNA-H82E3) with a linear range of 0.1-6 ng/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.

