



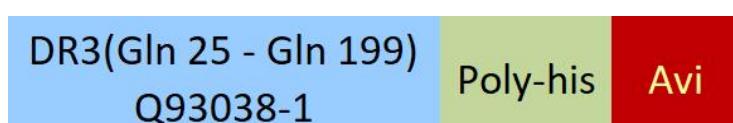
## Synonym

TNFRSF25,DR3,APO3,DDR3,TNFRSF12,WSL,WSL1

## Source

Biotinylated Human DR3 Protein, His,Avitag(DR3-H82E3) is expressed from human 293 cells (HEK293). It contains AA Gln 25 - Gln 199 (Accession # [Q93038-1](#)).

## Molecular Characterization



This protein carries a polyhistidine tag at the C-terminus, followed by an Avi tag (Avitag™).

The protein has a calculated MW of 22.6 kDa. The protein migrates as 30-35 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

>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

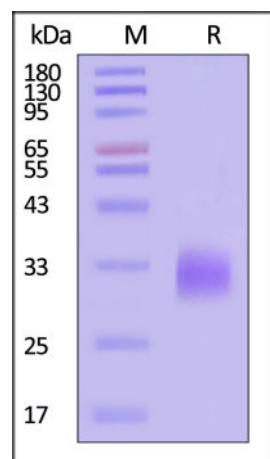
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

*Please avoid repeated freeze-thaw cycles.*

This product is stable after storage at:

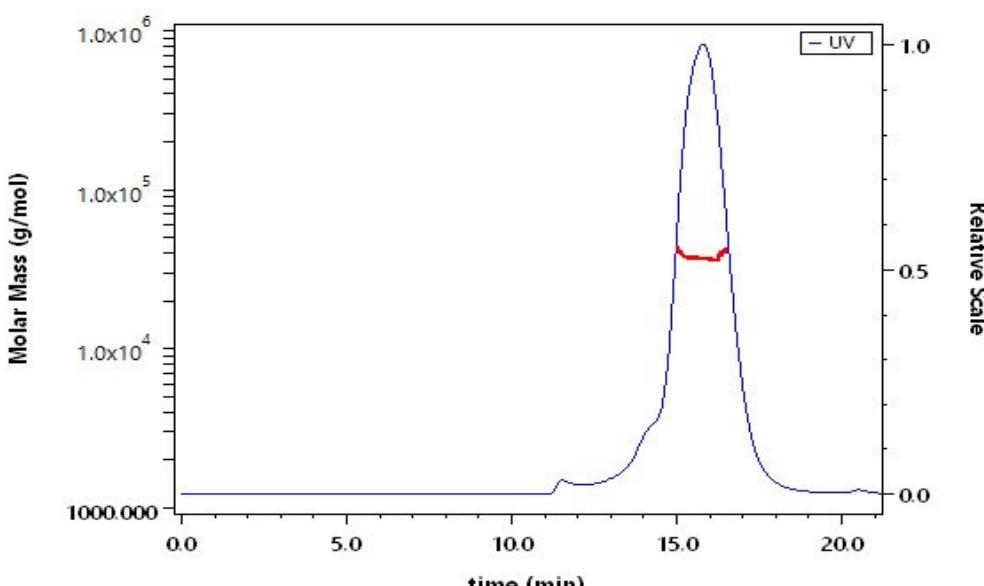
- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

## SDS-PAGE



Biotinylated Human DR3 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 90% (With [Star Ribbon Pre-stained Protein Marker](#)).

## SEC-MALS



The purity of Biotinylated Human DR3 Protein, His,Avitag (Cat. No. DR3-H82E3) is more than 90% and the molecular weight of this protein is around 30-45 kDa verified by SEC-MALS.

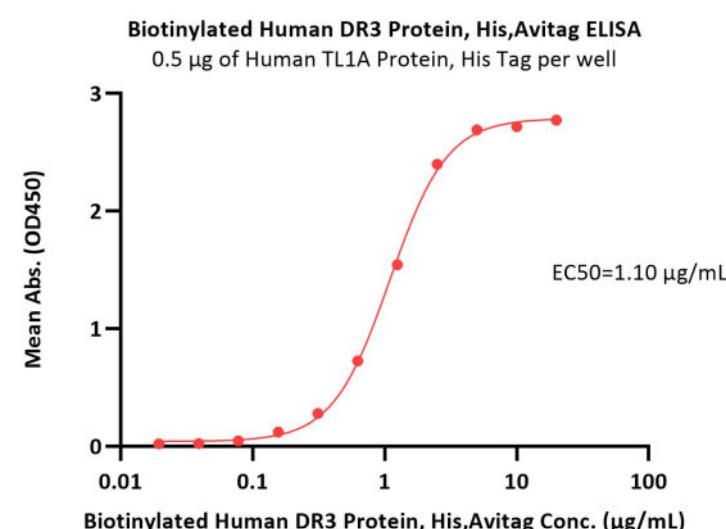
[Report](#)

## Bioactivity-ELISA

Discounts, Gifts,  
and more!

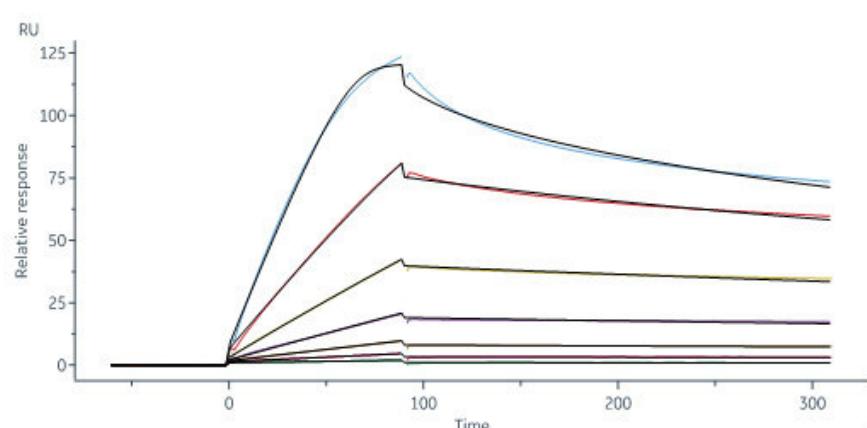


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Immobilized Human TL1A Protein, His Tag (Cat. No. TLA-H5244) at 5 µg/mL (100 µL/well) can bind Biotinylated Human DR3 Protein, His,Avitag (Cat. No. DR3-H82E3) with a linear range of 0.02-2.5 µg/mL (QC tested).

### Bioactivity-SPR



Biotinylated Human DR3 Protein, His,Avitag (Cat. No. DR3-H82E3) captured on Biotin CAP-Series S Sensor Chip can bind Human TL1A, His Tag (Cat. No. TLA-H5243) with an affinity constant of 1.75 nM as determined in a SPR assay (Biacore 8K) (Routinely tested).

### Background

Tumor necrosis factor receptor superfamily member 25 (TNFRSF25) is also known as Apo-3, Death receptor 3 (DDR3 or DR3), Apoptosis-inducing receptor AIR, Apoptosis-mediating receptor TRAMP, Lymphocyte-associated receptor of death, Apo-3, which is a member of the TNF-receptor superfamily. TNFRSF25 is a homodimer protein, which can Interact strongly via the death domains with TNFRSF1 and TRADD to activate at least two distinct signaling cascades, apoptosis and NF-κappa-B signaling. TNFRSF25 is receptor for TNFSF12 / APO3L / TWEAK.

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