



## Synonym

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

## Source

Human DR3 Protein, His Tag(TN5-H52H3) is expressed from human 293 cells (HEK293). It contains AA Gln 25 - Gln 199 (Accession # [Q93038-1](#)).

## Molecular Characterization

DR3(Gln 25 - Gln 199)  
Q93038-1 Poly-his

This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 20.9 kDa. The protein migrates as 30-37 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

## Endotoxin

Less than 1.0 EU per µg by the LAL method.

## Purity

>90% as determined by SDS-PAGE.

## 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

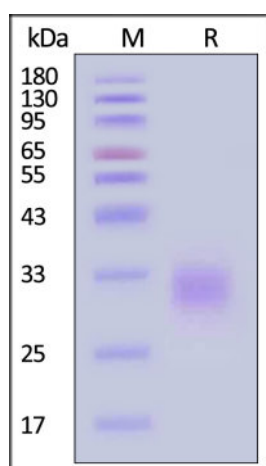
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

*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



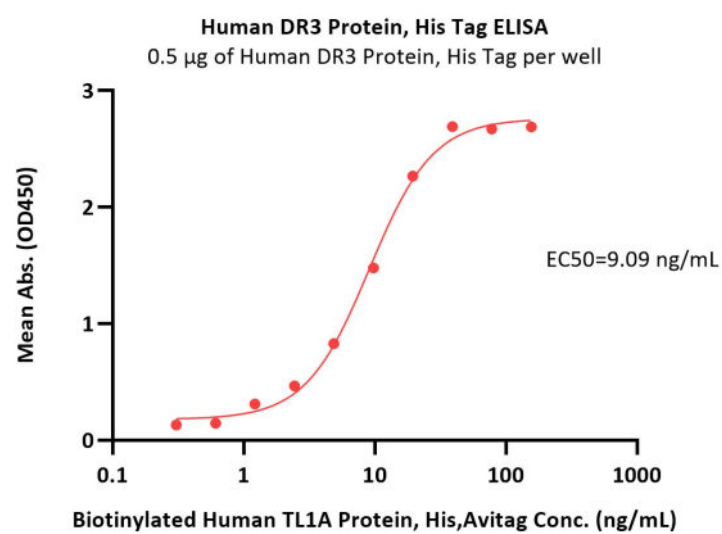
Human DR3 Protein, His Tag on SDS-PAGE under reducing (R) condition.

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

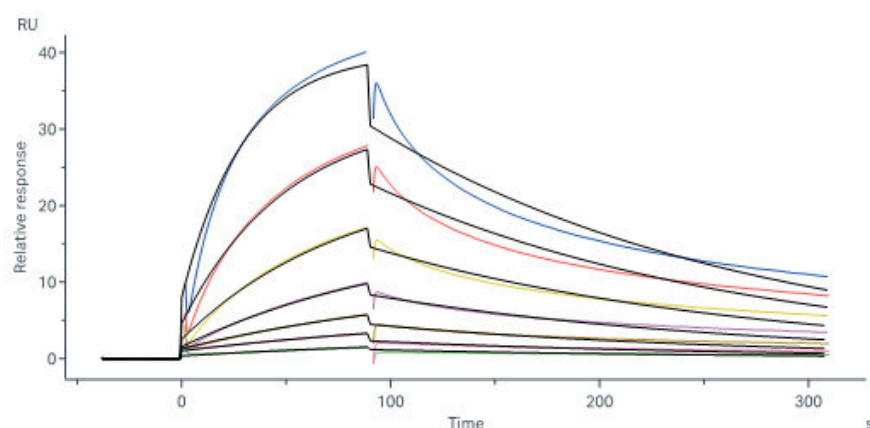
Discounts, Gifts,  
and more!



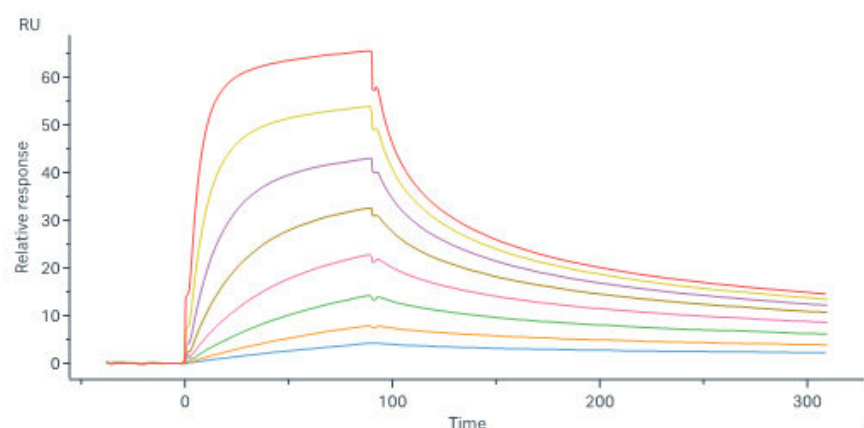


Immobilized Human DR3 Protein, His Tag (Cat. No. TN5-H52H3) at 5 µg/mL (100 µL/well) can bind Biotinylated Human TL1A Protein, His,Avitag (Cat. No. TLA-H52Q1) with a linear range of 0.3-20 ng/mL (QC tested).

**Bioactivity-SPR**

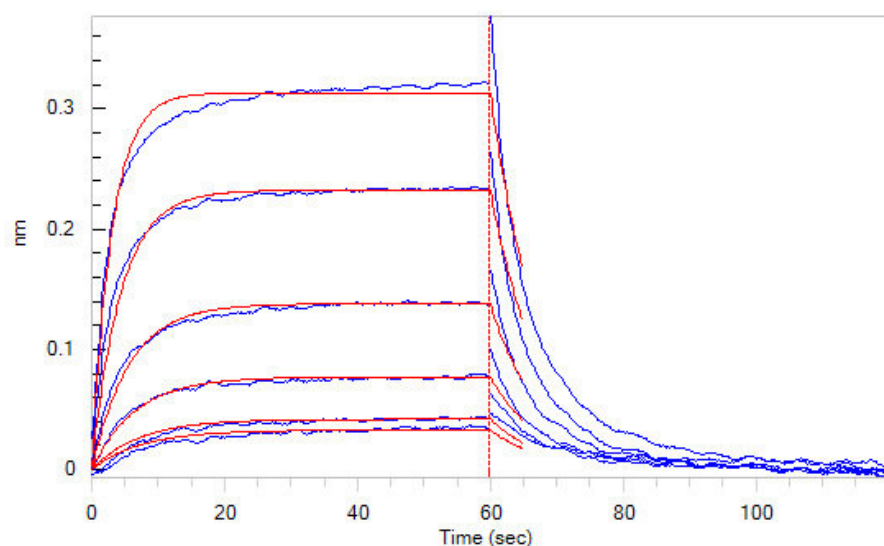


Human DR3 Protein, His Tag (Cat. No. TN5-H52H3) immobilized on CM5 Chip can bind Biotinylated Human TL1A Protein, His,Avitag (Cat. No. TLA-H52Q1) with an affinity constant of 97.9 nM as determined in a SPR assay (Biacore 8K) (Routinely tested).



Human DR3 Protein, His Tag (Cat. No. TN5-H52H3) immobilized on CM5 Chip can bind Human TL1A, His Tag (Cat. No. TLA-H5243) with an affinity constant of 45.8 nM as determined in a SPR assay (Biacore 8K) (Routinely tested).

**Bioactivity-BLI**



Loaded Biotinylated Human TL1A Protein, His,Avitag (Cat. No. TLA-H52Q1) on SA Biosensor, can bind Human DR3 Protein, His Tag (Cat. No. TN5-

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and more!



## Human DR3 / TNFRSF25 Protein, His Tag

Catalog # TN5-H52H3



BIOSYSTEMS  
**Acro**

H52H3) with an affinity constant of 2.8  $\mu$ M as determined in BLI assay (ForteBio Octet Red96e) (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-kappa-B signaling. TNFRSF25 is receptor for TNFSF12 / APO3L / TWEAK.

### Clinical and Translational Updates

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