

# Human TNFSF15 Trimer Protein

Cat. No. FSF-HM415

## Description

<b>Source</b>	Recombinant Human TNFSF15 Trimer Protein is expressed from HEK293 with His tag and Flag tag at the N-Terminus It contains Asp91-Leu251.
<b>Accession</b>	O95150-1
<b>Molecular Weight</b>	The protein has a predicted MW of 58.2 kDa. Due to glycosylation, the protein migrates to 65-75 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1 EU per µg by the LAL method.
<b>Purity</b>	>95% as determined by Bis-Tris PAGE >95% as determined by HPLC

## Formulation and Storage

<b>Formulation</b>	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage</b>	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3-6 months after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

TNF superfamily member 15 (TNFSF15), a cytokine largely produced by vascular endothelial cells and a specific inhibitor of the proliferation of these same cells, can inhibit VEGF-induced vascular permeability in vitro and in vivo, and that death receptor 3 (DR3), a cell surface receptor of TNFSF15, mediates TNFSF15-induced dephosphorylation of VEGFR2.

## Assay Data

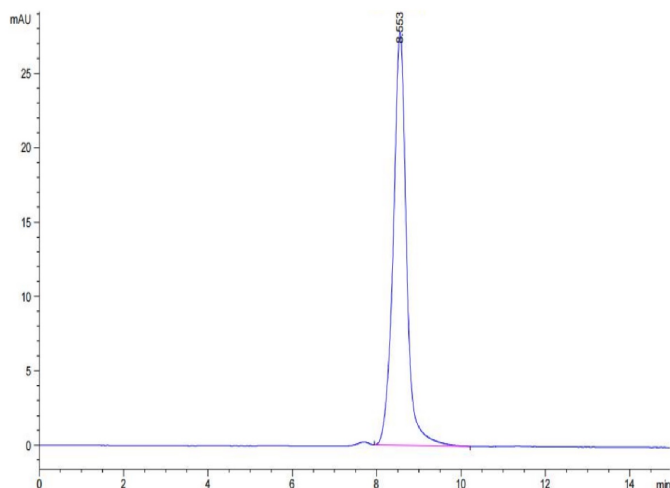
### Bis-Tris PAGE



Human TNFSF15 Trimer on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC

Assay Data

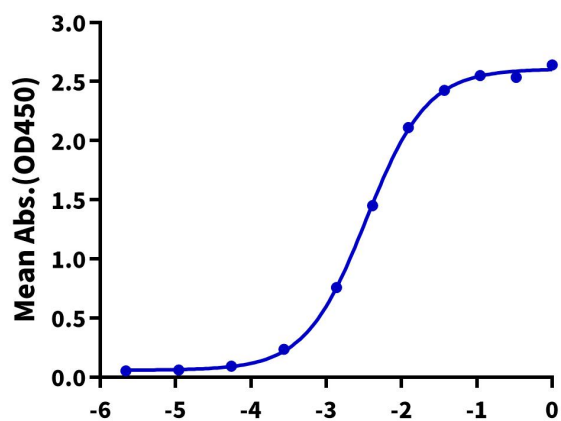


The purity of Human TNFSF15 Trimer is greater than 95% as determined by SEC-HPLC.

ELISA Data

**Human TNFSF15 (Trimer), His Tag ELISA**

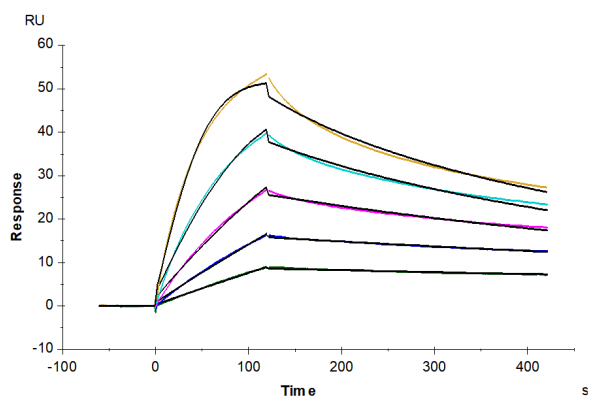
0.1 µg Human TNFSF15 (Trimer), His Tag Per Well



Immobilized Human TNFSF15 Trimer, His Tag at 1 µg/ml (100 µl/Well) on the plate. Dose response curve for Anti-TNFSF15 Antibody, hFc Tag with the EC50 of 3.4 ng/ml determined by ELISA (QC Test).

Log Anti-TNFSF15 Antibody, hFc Tag Conc.(µg/ml)

SPR Data



Mouse DR3, His Tag immobilized on CM5 Chip can bind Human TNFSF15 (Trimer) , His Tag with an affinity constant of 3.06 nM as determined in SPR assay (Biacore T200).