

Human TNFSF15 Trimer Protein

Cat. No. FSH-HM116

Description

Source	Recombinant Human TNFSF15 Trimer Protein is expressed from HEK293 with His tag at the N-terminus. It contains Leu72-Leu251.
Accession	O95150-1
Molecular Weight	The protein has a predicted MW of 63.53 kDa. Due to glycosylation, the protein migrates to 68-80 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.1 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

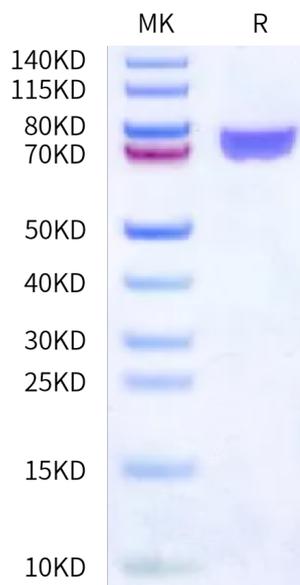
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months 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

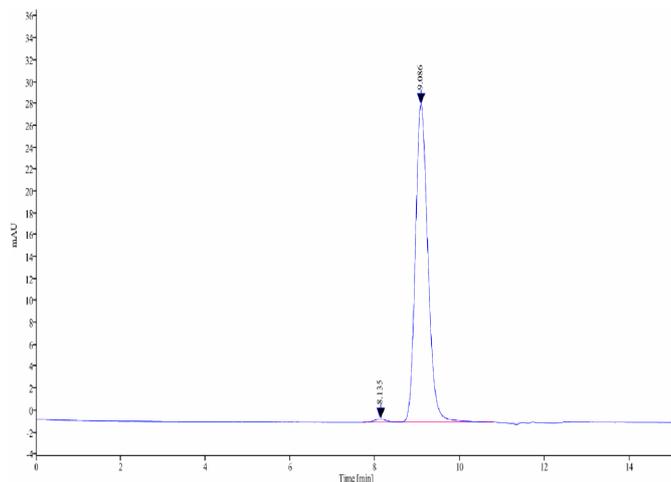
Bis-Tris PAGE



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

SEC-HPLC

Assay Data

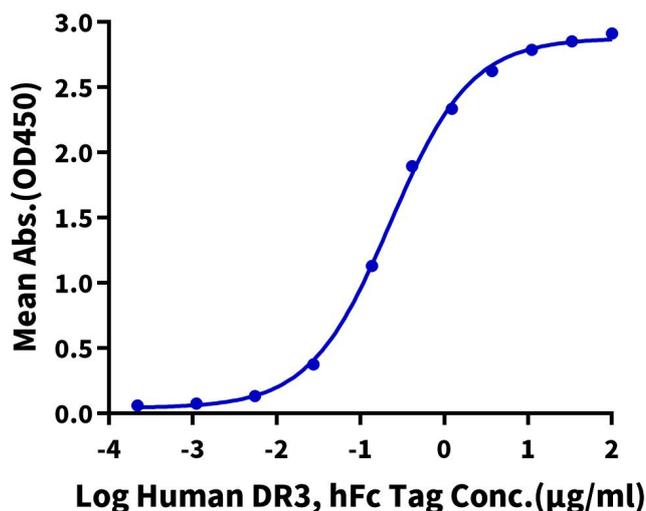


The purity of Human TNFSF15 Trimer is greater than 95% as determined by SEC-HPLC.

ELISA Data

Human TNFSF15 Trimer, His Tag ELISA

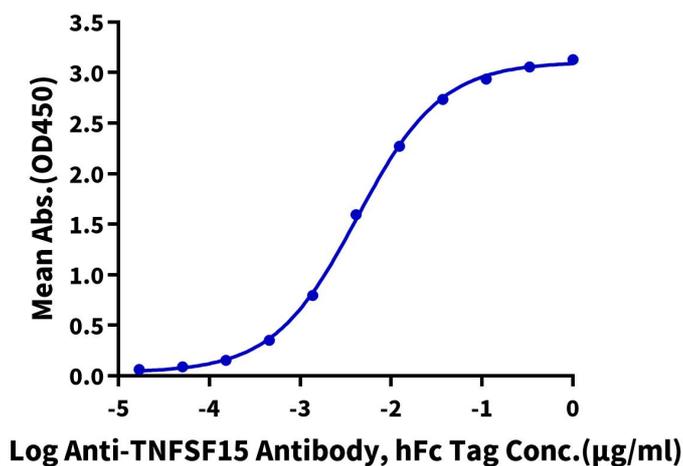
0.2µg Human TNFSF15 Trimer, His Tag Per Well



Immobilized Human TNFSF15 Trimer, His Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Human DR3, hFc Tag with the EC50 of 0.23µg/ml determined by ELISA.

Human TNFSF15 Trimer, His Tag ELISA

0.2µg Human TNFSF15 Trimer, His Tag Per Well

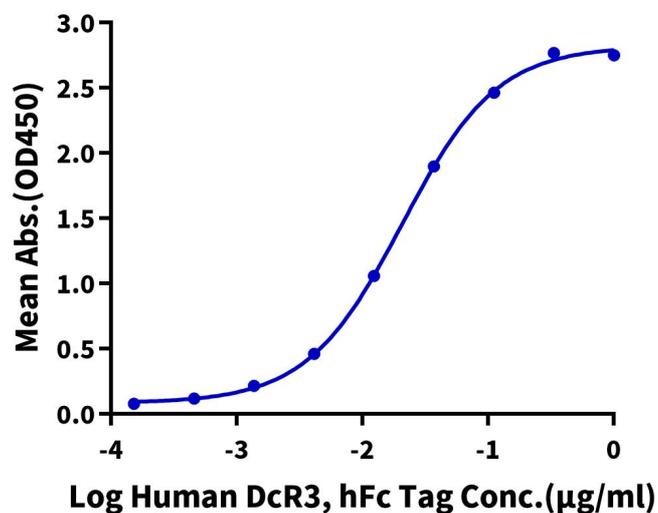


Immobilized Human TNFSF15 Trimer, His Tag at 2µg/ml(100µl/well) on the plate. Dose response curve for Anti-TNFSF15 Antibody, hFc Tag with the EC50 of 4.2ng/ml determined by ELISA.

Assay Data

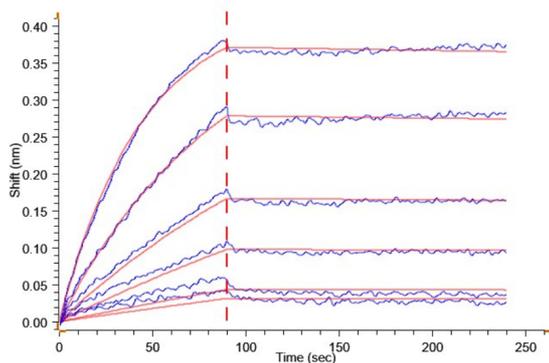
Human TNFSF15 Trimer, His Tag ELISA

0.5µg Human TNFSF15 Trimer, His Tag Per Well

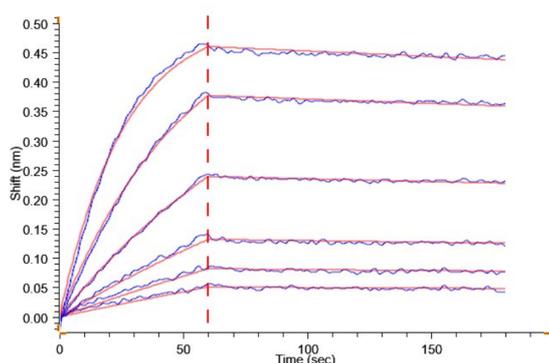


Immobilized Human TNFSF15 Trimer, His Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Human DcR3, hFc Tag with the EC50 of 20.6ng/ml determined by ELISA.

BLI Data



Loaded Human DR3, hFc Tag on ProA-Biosensor can bind Human TNFSF15 Trimer, His Tag with an affinity constant of 0.23 nM as determined in BLI assay .



Loaded Anti-TNFSF15 Antibody, hFc Tag on ProA-Biosensor can bind Human TNFSF15 Trimer, His Tag with an affinity constant of 0.27 nM as determined in BLI assay .