

Human TNFSF15 Protein



Cat. No. FSF-HM215

Description	
Source	Recombinant Human TNFSF15 Protein is expressed from HEK293 with monomeric Fc tag at the N-terminus. It contains Leu72-Leu251.
Accession	O95150-1
Molecular Weight	The protein has a predicted MW of 44.87 kDa. Due to glycosylation, the protein migrates to 48-60 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 90% 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

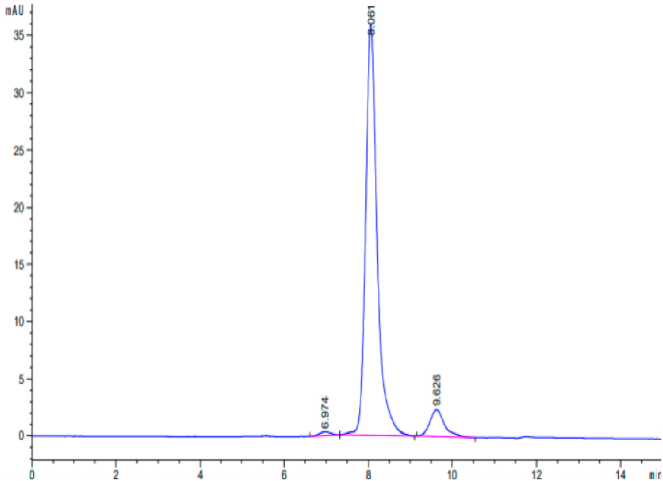
Bis-Tris PAGE



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

SEC-HPLC

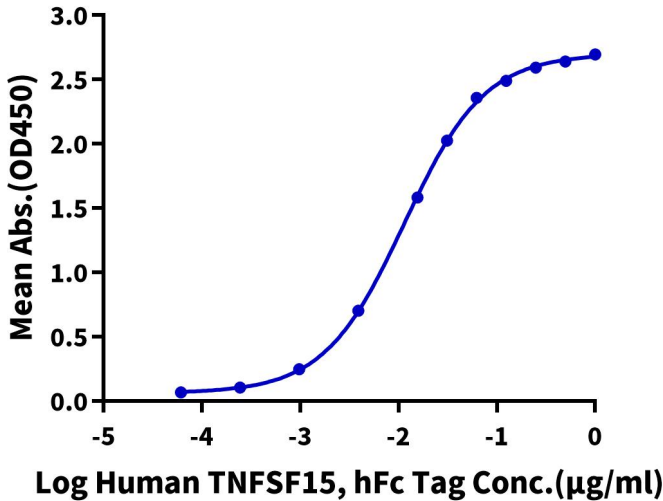
Assay Data



The purity of Human TNFSF15 is greater than 90% as determined by SEC-HPLC.

ELISA Data

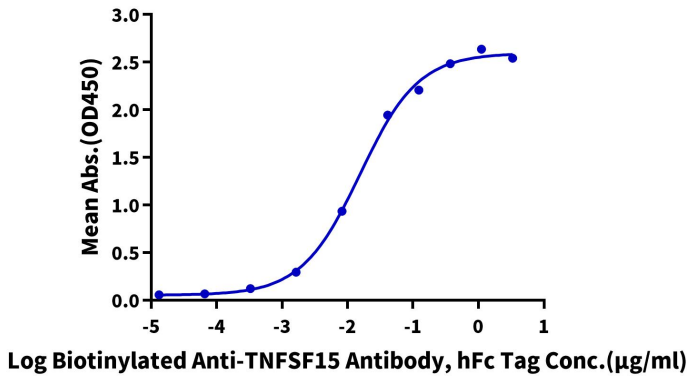
Human TNFSF15, hFc Tag ELISA
0.2µg Mouse DR3, His Tag Per Well



Immobilized Mouse DR3, His Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Human TNFSF15, hFc Tag with the EC50 of 11.5ng/ml determined by ELISA (QC Test).

ELISA Data

Human TNFSF15, hFc Tag ELISA
0.1µg Human TNFSF15, hFc Tag Per Well



Immobilized Human TNFSF15, hFc Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Anti-TNFSF15 Antibody, hFc Tag with the EC50 of 15.5ng/ml determined by ELISA.