

## TL1A/TNFSF15 Protein, Human, Recombinant (monomeric hFc)

### General Information

Synonyms:	TL1A;tumor necrosis factor (ligand) superfamily, member 15;VEGI;TL1;VEGI192A
Protein Construction:	Leu72-Leu251
Species:	Human
Expression Host:	HEK293 Cells
Accession:	O95150-1
Molecular Weight:	44.87 kDa (Predicted); 48-60 kDa (Due to glycosylation)

### QC Testing

Biological Activity:	Immobilized Human TNFSF15, hFc Tag at 1 µg/ml (100 µl/well) on the plate. Dose response curve for Biotinylated Anti-TNFSF15 Antibody, hFc Tag with the EC50 of 15.5 ng/ml determined by ELISA.
Purity:	> 95% as determined by Tris-Bis PAGE; > 90% as determined by HPLC
Endotoxin:	< 1.0 EU/µg of the protein as determined by the LAL method.
Formulation:	Supplied as 0.22 µm filtered solution in PBS (pH 7.4).

### Preparation and Storage

#### Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

#### Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

### Protein 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.

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