

Recombinant Human TNFSF15 Protein, Biotinylated

Cat. No. TNFSF15-01H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	A DNA sequence encoding the human TL1A (Qln58-Leu251) with a polyhistidine tag and AviTag™ peptide at the N-terminus was expressed in E. coli and biotinylated at AviTag™. Based on the size-exclusion chromatography data, the purified protein elutes as a trimer.
Species	Human
Source	E.coli
ProteinLength	58-251 a.a.
Description	The protein encoded by this gene is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This protein is abundantly expressed in endothelial cells, but is not expressed in either B or T cells. The expression of this protein is inducible by TNF and IL-1 alpha. This cytokine is a ligand for receptor TNFRSF25 and decoy receptor TNFRSF21/DR6. It can activate NF-kappaB and MAP kinases, and acts as an autocrine factor to induce apoptosis in endothelial cells. This cytokine is also found to inhibit endothelial cell proliferation, and thus may function as an angiogenesis inhibitor. Two transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	~25 kDa (monomer)
AA Sequence	MHHHHHHGSGGLNDIFEAQKIEWHEGGSQLRAQGEASVQFQALKGQEFAPSHQQVY APLRADGDKPRAHLTVVRQTPTQHFKNQFPALHWEHELGLAFTKNRMNYTNKFLLI

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	PESGDYFIYSQVTFRGMTSECSEIRQAGRPNKPDSITVVITKVTDSTYPEPTQLLMGTK SVCEVGSNWFQPIYLGAMFSLQEGDKLMVNVSDISLVDYTKEDKTFFGAFL
Purity	>90% by Coomassie staining
Usage	This product is for laboratory research use only.
Storage	Storage is recommended at -80°C for longer periods of time.
Storage Buffer	20 mM Phosphate buffer, pH 7.4, 120 mM NaCl, 5 mM 2-mercaptoethanol, and 10% glycerol.
Shipping	Product requires shipping on ice packs.
Conjugation	Biotin

GENE INFORMATION

Gene Name	TNFSF15 TNF superfamily member 15 [Homo sapiens (human)]
Official Symbol	TNFSF15
Synonyms	TL1; TL1A; VEGI; TNLG1B; VEGI192A
Gene ID	9966
mRNA Refseq	NM_001204344.1
Protein Refseq	NP_001191273.1
MIM	604052

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UniProt ID

O95150

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