

Recombinant Human TNFSF15 Protein, N-terminal His and AviTag™, Biotinylated

Cat. No. TNFSF15-17H **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
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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	PESGDYFIYSQVTRGMTSECSEIRQAGRPNKPDSITVVITKVTDSTYPEPTQLLMGTK SVCEVGSNWFQPIYLGAMFSLQEGDKLMVNVSDISLVDYTKEDKTFFGAFL
Purity	> 90% by Coomassie staining
Notes	This product is for laboratory research use only.
Storage	Storage is recommended at -80 centigrade 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	TNFSF15; TNF superfamily member 15; TL1; TL1A; VEGI; TNLG1B; VEGI192A; tumor necrosis factor ligand superfamily member 15; TNF ligand-related molecule 1; TNF superfamily ligand TL1A; tumor necrosis factor (ligand) superfamily, member 15; tumor necrosis factor ligand 1B; tumor necrosis factor superfamily member 15; vascular endothelial cell growth inhibitor; vascular endothelial growth inhibitor-192A
Gene ID	9966
mRNA Refseq	NM_005118

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Protein Refseq	NP_005109
MIM	604052
UniProt ID	O95150

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