

Recombinant Human TNFSF15, His-tagged

Cat. No. TNFSF15-31532TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human TL1A, secreted form with an N terminal His tag; 201 amino acids, Predicted MWt 22.7kDa.
Species	Human
Source	E.coli
ProteinLength	180 amino acids
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.
Conjugation	HIS
Molecular Weight	22.700kDa inclusive of tags
Tissue specificity	Specifically expressed in endothelial cells. Detected in monocytes, placenta, lung, liver, kidney, skeletal muscle, pancreas, spleen, prostate, small intestine and colon.

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Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 50% Glycerol, 0.2M Sodium chloride, 20mM Tris HCl, 1mM DTT, pH 8.0
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHHSSGLVPRGSHMLKGQEFAPSHQQVYAPLRADGDKPRAHLTVVRQ TPTQHFKNQFPALHWEHELGLAFTKNRMNYTNKFLIPESGDYFIYSQVTFRGMTSE CSEIRQAGRPNKPDSTVVITKVTDSEPTQLLMGTKSVCEVGSNWFQPIYLGAMF SLQEGDKLMVNVSDISLVDYTKEDKTFFGAFL
Sequence Similarities	Belongs to the tumor necrosis factor family.

GENE INFORMATION

Gene Name	TNFSF15 tumor necrosis factor (ligand) superfamily, member 15 [Homo sapiens]
Official Symbol	TNFSF15
Synonyms	TNFSF15; tumor necrosis factor (ligand) superfamily, member 15; tumor necrosis factor ligand superfamily member 15; MGC129934; MGC129935; TL1; TL1A; TNF ligand related molecule 1; TNF superfamily ligand TL1A; vascular endothelial cell growth inhibitor; va
Gene ID	9966

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mRNA Refseq	NM_005118
Protein Refseq	NP_005109
MIM	604052
Uniprot ID	O95150
Chromosome Location	9q32
Pathway	Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Senescence and Autophagy, organism-specific biosystem;
Function	cytokine activity; death receptor binding; receptor binding; tumor necrosis factor receptor binding;

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