

Recombinant Human Tumor Necrosis Factor (Ligand) Superfamily, Member 15, His-tagged

Cat. No. TNFSF15-494H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human TNFSF15 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques (72-251aa).
Species	Human
Source	E.coli
Description	Tumor necrosis factor ligand superfamily member 15, also known TNFSF15, belongs to the TNF superfamily. TNFSF15 is predominantly expressed in endothelial cells and its expression is inducible by TNF α and IL1 α . TNFSF15 is an angiogenesis inhibitor of the TNF family and functions in part by directly inhibiting endothelial cell proliferation. TNFSF15 may act as an autocrine factor to induce apoptosis in endothelial cells via activation of multiple signaling pathways, including stress protein kinases and certain caspases.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 50% glycerol, 0.2M NaCl
Molecular Mass	22.7 kDa (201aa), confirmed by MALDI-TOF
Purity	> 95% by SDS-PAGE
Concentration	1 mg/ml (determined by Bradford assay)

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Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MLKGQEFAPS HQQVYAPLRA DGDKPRAHLT VVRQTPTQHF KNQFPALHWE HELGLAFTKN RMNYTNKFL IPESGDYFIY SQVTFRGMTS ECSEIRQAGR PNKPDSITVV ITKVTDSYPE PTQLLMGTKS VCEVGSNWFQ PIYLGAMFSL QEGDKLMVNV SDISLVDTYK EDKTTFFGAFL L
Endotoxin Level	<1.0 EU per 1 ug of protein (determined by LAL assay)
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
Passway	Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Senescence and Autophagy, organism-specific biosystem
GENE INFORMATION	
Gene Name	TNFSF15 tumor necrosis factor (ligand) superfamily, member 15 [Homo sapiens]
Synonyms	TNFSF15; MGC129934; MGC129935; TL1; TL1A; VEGI; VEGI192A; Tumor necrosis factor ligand superfamily member 15; Vascular endothelial cell growth inhibitor; TNF ligand-related molecule 1; TNF15; TL-1; VEGI-192; tumor necrosis factor (ligand) superfamily, member 15
Gene ID	9966
MIM	604052
mRNA Refseq	NM_001204344
Protein Refseq	NP_001191273

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UniProt ID O95150

**Chromosome
Location** 9q32

Function cytokine activity; death receptor binding; receptor binding; tumor necrosis factor receptor binding
Title: Methionine sulfoxide reductases protect Ffh from oxidative damages in Escherichia coli.

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