



Recombinant Human TL-1A

20150227BB



FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	100-294S
Size:	5 µg
Lot. No.:	According to product label

Scientific Background

Gene-ID (NCBI):	9966
Synonyms:	TNFSF15; TL1; TL1A; VEGI; VEGI192A

TL-1A belongs to the TNF superfamily of ligands. It is expressed predominantly in endothelial cells, and to a lesser extent in placenta, lung, kidney, skeletal muscle, pancreas, small intestine and colon. TL-1A inhibits endothelial cell proliferation and angiogenesis, and has been shown to induce NFκB activation, caspase activity, and apoptosis in responding cell lines. TL-1A interacts with TNFRSF25/DR3 receptor, but can also bind to a decoy receptor TNFRSF21/DR6. Recombinant human TL-1A is a 22.0 kDa polypeptide of 194 amino acid residues.

Sequence

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QLRAQGEASV QFQALKGQEF APSHQQVYAP LRADGDKPRA  
HLTVVRQTPT QHFKNQFPAL HWEHELGLAF TKNRMNYTNK  
FLIPESGDY FIYSQVTFRG MTSECSEIRQ AGRPNKPDSE  
TVVITKVTDSE YPEPTQLLMG TKSVCVGSN WFQPIYLGAM  
FSLQEGDKLM VNVSDISLVD YTKEDKTFEFG AFLL
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Database References

Protein RefSeq:	NP_005109
Uniprot ID:	O95150
mRNA RefSeq:	NM_005118

Product Specifications

Expressed in	E. coli
Purity	> 98% by SDS-PAGE & HPLC analyses
Endotoxin level	< 0.1 ng /µg of protein (<1EU/µg).
Formulation	lyophilized
Length (aa):	194
MW:	22 kDa

Biological Activity: Determined by its ability to stimulate IFN-γ production by human PBMC using a concentration range of 10.0-100.0 ng/ml. Note: Results may vary with PBMC donors.



AVOID REPEATED FREEZE AND THAW CYCLES!