

TL1A/TNFSF15 recombinant protein

Recombinant human TL1A/TNFSF15 protein

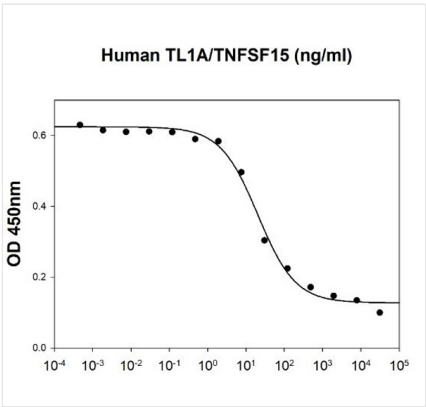
CATALOG # AAA48421	HOST E Coli	APPLICATIONS SDS-Page
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PRODUCT SYNONYMS

TL1A/TNFSF15; Recombinant human TL1A/TNFSF15 protein; Tumor necrosis factor ligand superfamily member 15; TL1; TL1A; VEGI; VEGI192A; TL1A/TNFSF15 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid in. 20mM Tris-HCl buffer (pH 8.5) containing 0.15M NaCl, 40% glycerol
Concentration	0.5mg/ml (determined by Bradford assay) (varies by lot)
Sequence Positions	72-251aa
Sequence	LKGQEFA PSHQQVYAPL RADGDKPRAH LTVVRQTPTQ HFKNQFPALH WEHELGLAFT KNRMNYTNKF LLIPESGDYF IYSQVTFRGM TSECSEIRQA GRPNKPDSIT VVITKVTD SY PEPTQLLMGT KSVCEVGSNW FQPIYLGAMF SLQEGDKLMV NVSDISLVDY TKEDKTFFGA FLL
Applicable Applications for TL1A/TNFSF15 recombinant protein	Bioactivity, SDS-PAGE
Species	Human
Tag	His-Tag
Endotoxin	< 1 EU per 1ug of protein (determined by LAL method)
Bioactivity	Measured by its ability to induce apoptosis in TF-1 human erythroleukemic cells in the presence of cycloheximide. The ED50 range <= 100ng/ml.
Preparation and Storage	Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

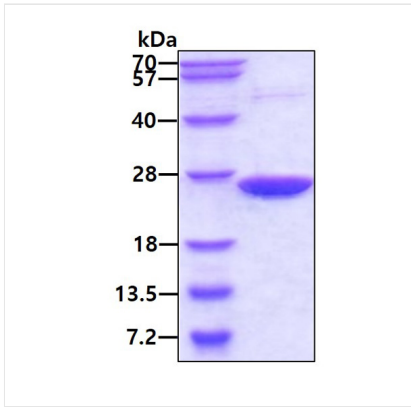


Bioactivity

Human TNFSF15 induces apoptosis in TF-1 human erythroleukemic cells in the presence of cycloheximide. The ED50 range

SDS-PAGE

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain



ADDITIONAL INFORMATION

Related Product Information for TL1A/TNFSF15 recombinant protein	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 TNFalpha and IL1alpha. 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. Recombinant human TNFSF15 protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for TL1A/TNFSF15 recombinant protein	Immunology
References	Migone T S., et al. (2002) Immunity. 16:479.;; Zhai Y., et al. (1999) FASEB J.13:181-189.

NCBI AND UNIPROT INFORMATION

NCBI GI #	23510445
NCBI GeneID	9966
NCBI Accession #	NP_005109.2
NCBI GenBank Nucleotide #	NM_005118.3
UniProt Accession #	O95150; Q3SX69; Q5VJK8; Q5VWH1; Q8NFE9
Molecular Weight	20,131 Da
NCBI Official Full Name	tumor necrosis factor ligand superfamily member 15 isoform VEGI-251
NCBI Official Synonym Full Names	tumor necrosis factor (ligand) superfamily, member 15
NCBI Official Symbol	TNFSF15
NCBI Official Synonym Symbols	TL1; TL1A; VEGI; VEGI192A
NCBI Protein Information	tumor necrosis factor ligand superfamily member 15; TNF superfamily ligand TL1A; TNF ligand-related molecule 1; vascular endothelial cell growth inhibitor; vascular endothelial growth inhibitor-192A
UniProt Protein Name	Tumor necrosis factor ligand superfamily member 15
UniProt Gene Name	TNFSF15
UniProt Synonym Gene Names	TL1; VEGI

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/tnfsf15-recombinant-protein-e-coli-bioactivity-sds-page/48421>