

Vascular Endothelial Growth Inhibitor Active Protein | VEGI active protein

Recombinant Human Vascular Endothelial Growth Inhibitor

CATALOG #
AAA38546

HOST
E Coli

PRODUCT SYNONYMS

Vascular Endothelial Growth Inhibitor; Recombinant Human Vascular Endothelial Growth Inhibitor; VEGI Human; Human Vascular Endothelial Growth Inhibitor Recombinant; Tumor necrosis factor ligand superfamily member 15; TNFSF-15; TNFSF15; TNF ligand-related molecule 1; VEGI; TL-1; TL1; TL1A; VEGI192A; VEGI-192; MGC129934; MGC129935; VEGI active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Form/Format	The TNFSF15 was lyophilized from a 0.2 um filtered concentrated solution in PBS, pH 7.4 with 0.02% Tween-20. Sterile Filtered White lyophilized (freeze-dried) powder.
Sequence	MQLTKGRLHF SHPLSHTKHI SPFVTDAPLR ADGDKPRAHL TVVRQTPTQH FKNQFPALHW EHELGLAFTK NRMNYTNKFL LIPESGDYFI YSQVTFRGMT SECSEIRQAG RPNKPDSITV VITKVTDSTYP EPTQLLMGTK SVCEVGSNWF QPIYLGAMFS LQEGDKLMVN VSDISLVDYT KEDKTFFGAF LL
Sequence Length	192
Solubility	It is recommended to reconstitute the lyophilized TNFSF15 in sterile 18M Omega -cm H2O not less than 100 ug/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The ED50 as determined by its ability to induce apoptosis using human TF-1 cells is less than 20ng/ml, corresponding to a specific activity of > 5.0x104 IU/mg.
Preparation and Storage	TNFSF15 although stable at room temperature for 3 weeks, should be stored desiccated below -18 degree C. Upon reconstitution VEGI should be stored at 4 degree C between 2-7 days and for future use below -18 degree C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for VEGI active protein	Description: TNFSF15 Human Recombinant produced in E Coli is a single, non-glycosylated, polypeptide chain containing 180 amino acids and having a molecular mass of 20.5kDa. The TNFSF15 is purified by proprietary chromatographic techniques. Introduction: TNFSF15 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 TNFSF15 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. TNFSF15 is also found to inhibit endothelial cell proliferation, and thus may function as an angiogenesis inhibitor. An additional isoform encoded by an alternatively spliced transcript variant has been reported but the sequence of this transcript has not been determined.
Product Categories/Family for VEGI active protein	Cytokines and Growth Factors; Growth Factors; VEGF

NCBI AND UNIPROT INFORMATION

NCBI GI #	324072728
-----------	-----------

NCBI GeneID	9966
NCBI Accession #	NP_001191273.1
NCBI GenBank Nucleotide #	NM_001204344.1
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-192
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 ligand-related molecule 1; TNF superfamily ligand TL1A; 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
UniProt Entry Name	TNF15_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/e-coli-vegi-active-protein/vascular-endothelial-growth-inhibitor/38546>