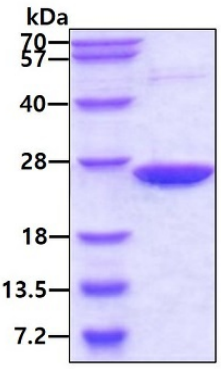
Bioactive

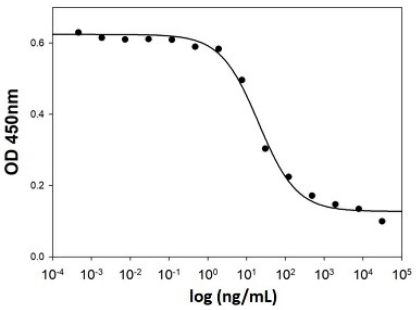
TNFSF15 (Human) Recombinant Protein

Catalog # P7911 Size 50 ug

Applications



SDS-PAGE analysis of TNFSF15 (Human) Recombinant Protein.



Result of activity analysis

Result of activity analysis

Specification

Product Description	Human TNFSF15 (O95150, 72 a.a. - 251 a.a.) partial recombinant protein with His tag expressed in *Escherichia coli*.
Sequence	LKGQEFAPSHQQVYAPLRADGDKPRAHLTVVRQTPTQHFKNQFPALHWEHELGLAFTKNRMNYT NKFLLIPESGDYFIYSQVTFRGMTSECSEIRQAGRPNKPDSITVVITKVTDSYPEPTQLLMGTKSVC EVGSNWFQPIYLGAMFSLQEGDKLMVNVSDISLVDYTKEDKTFFGAFLL
Host	Escherichia coli

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Theoretical MW (kDa)	22.7
Form	Liquid
Preparation Method	*Escherichia coli* expression system
Purity	> 90% as analyzed by SDS-PAGE.
Endotoxin Level	< 1 EU/ug of protein by the LAL method.
Activity	ED_{50} < 100 ng/mL, measured by the ability to induce apoptosis in TF-1 human erythroleukemic cells in the presence of cycloheximaide.
Quality Control Testing	SDS-PAGE Stained with Coomassie Blue. SDS-PAGE analysis of TNFSF15 (Human) Recombinant Protein.
Recommend Usage	Biological Activity SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	In 20mM Tris-HCl buffer, 0.15M NaCl, pH 8.5 (40% glycerol)
Storage Instruction	Store at 4°C for 1 week. For long term storage store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of activity analysis Result of activity analysis

Applications

- Functional Study
- SDS-PAGE

Gene Info — TNFSF15

Entrez GeneID	9966
Protein Accession#	O95150
Gene Name	TNFSF15
Gene Alias	MGC129934, MGC129935, TL1, TL1A, VEGI, VEGI192A
Gene Description	tumor necrosis factor (ligand) superfamily, member 15

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Omim ID	604052
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a cytokine that belongs to the tumor necrosis factor (TNF) lig and 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 li gand for receptor TNFRSF25 and decoy receptor TNFRSF21/DR6. It can activate NF-kappaB an d MAP kinases, and acts as an autocrine factor to induce apoptosis in endothelial cells. This cyto kine 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 rep orted but the sequence of this transcript has not been determined. [provided by RefSeq
Other Designations	OTTHUMP00000022739|TNF ligand-related molecule 1|TNF superfamily ligand TL1A|vascular e ndothelial cell growth inhibitor|vascular endothelial growth inhibitor-192A

Pathway

- Cytokine-cytokine receptor interaction

Disease

- Colitis
- Crohn Disease
- Diabetes Mellitus
- Disease Progression
- Disease Susceptibility
- Genetic Predisposition to Disease
- Inflammatory Bowel Diseases
- Leprosy
- Rectal Fistula

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