

Bioactive

TNFSF15 (Human) Recombinant Protein

Catalog # P9328

Size 20 ug

Specification

Product Description	Human TNFSF15 recombinant protein expressed in <i>Escherichia coli</i> .
Sequence	MQLTKGRLHFHSHPLSHTKHISPFVTDAPLRADGDKPRAHLTVVRQTPTQHFKNQFPALHWEHEL GLAFTKNRMNYTNKFLIPESGDYFIYSQVTFRGMTSECSEIRQAGRPNKPDSITVVITKVTDSYPEP TQLLMGTSKSVCEVGSNWFQPYLGAMFSLQEGDKLMVNVSDISLVDYTKEDKTFFGAFL
Host	Escherichia coli
Theoretical MW (kDa)	20.5
Form	Lyophilized
Preparation Method	<i>Escherichia coli</i> expression system
Purification	chromatographic
Purity	> 95% as determined by (a) RP-HPLC.(b) SDS-PAGE.
Activity	ED ₅₀ < 20 ng/mL, determined by the ability to induce apoptosis using human TF-1 cells, corresponding to a specific activity > 5 x 10 ⁴ IU/mg.
Storage Buffer	Lyophilized from a solution containing 1XPBS, pH 7.4, 0.02% Tween 20. Reconstitute the lyophilized powder in ddH ₂ O to 100 ug/mL.
Storage Instruction	Lyophilized protein at room temperature for 3 weeks, should be stored at -20°C. Protein aliquots at 4 °C for 2-7 days and should be stored at -20°C to -80°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid repeated freeze/thaw cycles.

Applications

- Functional Study

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

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) ligand 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 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. This cytokine 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. [provided by RefSeq]

Other Designations OTTHUMP00000022739|TNF ligand-related molecule 1|TNF superfamily ligand TL1A|vascular endothelial 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](#)