

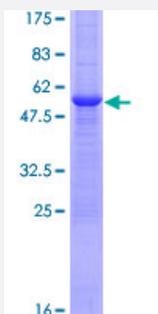
Full-Length

TNFSF15 (Human) Recombinant Protein (P01)

Catalog # H00009966-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human TNFSF15 full-length ORF (NP_005109.2, 1 a.a. - 251 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAEDLGLSFGETASVEMLPHEHGSCRPKARSSSARWALTCCLVLLPFLAGLTTYLLVSQLRAQGE
ACVQFQALKGQEFAPSHQQVYAPLRADGDKPRAHLTVVRQTPTQHFKNQFPALHWEHELGLAF
TKNRMNYTNKFLIPESGDYFIYSQVTFRGMTSECSEIRQAGRPNKPDSITVVITKVTDSTYPEPTQLL
MGTKSVCEVGSNWFQPIYL GAMFSLQEGDKLMVNVSDISLVDYTKEDKTFFGAFLL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

54.5

Interspecies Antigen Sequence

Rat (68)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — TNFSF15

Entrez GeneID [9966](#)

GeneBank Accession# [NM_005118.2](#)

Protein Accession# [NP_005109.2](#)

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](#)