

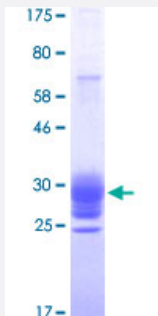
HuPro®

# TNFSF15 (Human) Recombinant Protein

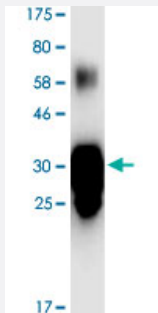
Catalog # H00009966-H01

Size 25 ug

## Applications



SDS-PAGE Gel



Western Blot

## Specification

### Product Description

Purified TNFSF15 (AAH74941.1, 72 a.a. - 251 a.a.) human recombinant protein with His-Flag-StreptI tag at N-terminus expressed in human cells.

### Transfected Cell Line

Human HEK293T cells

### Sequence

LKGQEFAPSHQQVYAPLRADGDKPRAHLTVVRQTPTQHFKNQFPALHWEHELGLAFTKNRMNYT  
NKFLLIPESGDYFIYSQVTFRGMTSECSEIRQAGRPKNKPDSTVITKVTDSTYPEPTQLLMGTSVC  
EVGSNWFQPIYLGA MFSLQEGDKLMVNVSDISLVDYTKEDKTFFGAFL

### Host

Human

### Theoretical MW (kDa)

25.08

<b>Interspecies Antigen Sequence</b>	Rat (68)
<b>Form</b>	Liquid
<b>Preparation Method</b>	Transfection of pSuper-TNFSF15 plasmid into HEK293T cell, and the expressed protein was purified by <i>Strep</i> -Tactin affinity column.
<b>Purification</b>	<i>Strep</i> -Tactin affinity columns
<b>Concentration</b>	≥ 10 ug/ml
<b>Quality Control Testing</b>	SDS-PAGE and Western Blot SDS-PAGE Gel Western Blot
<b>Storage Buffer</b>	100 mM Tris-HCl pH 8.0, 150 mM NaCl, 1 mM EDTA, and 5 mM desthiobiotin.
<b>Storage Instruction</b>	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot
- Enzyme-linked Immunoabsorbent Assay
- SDS-PAGE
- Protein Interaction

## Gene Info — TNFSF15

<b>Entrez GeneID</b>	<a href="#">9966</a>
<b>GeneBank Accession#</b>	<a href="#">BC074941.2</a>
<b>Protein Accession#</b>	<a href="#">AAH74941.1</a>
<b>Gene Name</b>	TNFSF15
<b>Gene Alias</b>	MGC129934, MGC129935, TL1, TL1A, VEGI, VEGI192A
<b>Gene Description</b>	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](#)