

For Research Use Only

# Recombinant Mouse TNFSF15 protein (rFc Tag)



Catalog Number: Eg5273

## Basic Information

**Species:**  
Mouse

**Purity:**  
>90%, SDS-PAGE

**Tag:**  
rFc Tag

## Technical Specifications

**Purity:**

>90%, SDS-PAGE

**Endotoxin Level:**

<0.1 EU/  $\mu$ g protein, LAL method

**Source:**

HEK293-derived Mouse TNFSF15 protein Ala61-Leu252 (Accession# Q5UBV8) with a rabbit IgG Fc tag at the C-terminus.

**GeneID:**

326623

**Accession:**

Q5UBV8

**Predicted Molecular Mass:**

47.5 kDa

**SDS-PAGE:**

50-60 kDa, reducing (R) conditions

**Formulation:**

Lyophilized from 0.22  $\mu$ m filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

## Biological Activity

Not tested

## Storage and Shipping

**Storage:**

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

**Shipping:**

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

## Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

## Background

Tumor necrosis factor ligand superfamily member 15 (TNFSF15) is also named as TL1 and VEGI. And it belongs to the tumor necrosis factor family. It is a receptor for TNFRSF25 and TNFRSF6B. VEGI induced degradation of I $\kappa$ B $\alpha$ , and nuclear translocation of p65 subunit of NF $\kappa$ B by activating NF $\kappa$ B. TL1A mediates activation and apoptosis of NF $\kappa$ B in DR3-expressing cell lines. Overexpression by cancer cells of a secretable VEGI fusion protein resulted in abrogation of xenograft tumor progression. The isoforms show endothelial cell-specific expression and are generated from a 17 kb human gene by alternative splicing. In addition, VEGI can inhibit vascular endothelial growth and angiogenesis (in vitro).

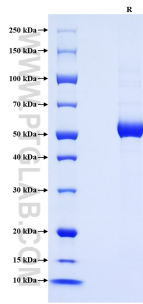
## References

1. Haridas V. et al. (1999). *Oncogene*. 18(47):6496-504.
2. Migone TS. et al. (2002). *Immunity*. 16(3):479-92
3. Chew LJ. et al. (2002). *FASEB J*. 16(7):742-4.
4. Zhai Y. et al. (1999). *FASEB J*. 13(1):181-9.

## Synonyms

Tl1, Tl1, Vegi, TNF15, TNFSF 15, Vegi

## Selected Validation Data



Purity of Recombinant Mouse TNFSF15 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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