For Research Use Only

Recombinant Human TL1A/TNFSF15 protein (His Tag)

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Catalog Number: Eg32092

Basic Information

Species:
Human

Purity:
>95 %, SDS-PAGE

Tag:
His Tag

EC50:
2-9 ng/mL

Technical Specifications

Purity:
>95 %, SDS-PAGE

Endotoxin Level:
<0.1 EU/μg protein, LAL method

Source:
HEK293-derived Human TL1A protein Leu72-Leu251 (Accession# O95150-1) with a His tag at the N-terminus.

GeneID:
9966

Accession:
O95150-1

Predicted Molecular Mass:
21.3 kDa

SDS-PAGE:
25-29 kDa, reducing (R) conditions

Formulation:
Lyophilized from 0.22 μm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Immobilized Human TL1A (His tag) at 0.5 μg/mL (100 μL/well) can bind Human DcR3 (His tag) with a linear range of 2-9 ng/mL.

Storage and Shipping

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

- Until expiry date, -20℃ to -80℃ as lyophilized proteins.
- 3 months, -20℃ to -80℃ 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 κ B alpha, and nuclear translocation of p65 subunit of NF κ B by activating NF κ B. TL1A mediates activation and apoptosis of NF κ 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).

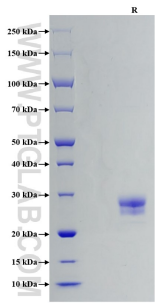
References

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.

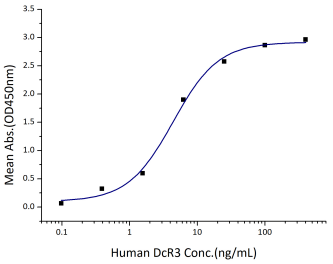
Synonyms

TNFSF15, TNFSF 15, Tumor necrosis factor ligand superfamily member 15, Tumor necrosis factor ligand superfamily member 15, membrane form, Tumor necrosis factor ligand superfamily member 15, secreted form

Selected Validation Data



Purity of Recombinant Human TL1A was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) conditions and stained using Coomassie blue.



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