

**TL-1A, human recombinant protein**  
**TNFSF15, VEGI**  
**Catalog # PBV10849r****Specification**

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**TL-1A, human recombinant protein - Product info**

Primary Accession [O95150](#)  
Calculated MW **22.0 kDa KDa**

**TL-1A, human recombinant protein - Additional Info**

|                    |                                                                                                                                                                                                                                                      |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene ID            | <b>9966</b>                                                                                                                                                                                                                                          |
| Gene Symbol        | <b>TNFSF15</b>                                                                                                                                                                                                                                       |
| <b>Other Names</b> |                                                                                                                                                                                                                                                      |
| TNFSF15, VEGI      |                                                                                                                                                                                                                                                      |
| Gene Source        | <b>Human</b>                                                                                                                                                                                                                                         |
| Source             | <b>E. Coli</b>                                                                                                                                                                                                                                       |
| Assay&Purity       | <b>SDS-PAGE; ≥98%</b>                                                                                                                                                                                                                                |
| Assay2&Purity2     | <b>HPLC;</b>                                                                                                                                                                                                                                         |
| Recombinant        | <b>Yes</b>                                                                                                                                                                                                                                           |
| Sequence           | <b>QLRAQGEASV QFQALKGQEF APSHQQVYAP<br/>LRADGDKPRA HLTVVRQTPT QHFKNQFPAL<br/>HWEHELGLAF TKNRMNYTNK FLLIPESGDY<br/>FIYSQVTFRG MTSECSEIRQ AGRPNKPDSI<br/>TVVITKVTDY YPEPTQLLMG TKSVCEVGSN<br/>WFQPIYLGAM FSLQEGDKLM VNVSDISLVD<br/>YTKEDKTFFG AFLL</b> |

**Target/Specificity**  
TNFSF15

**Application Notes**

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.

**Format**

Lyophilized powder

**Storage**

-20°C; Sterile filtered through a 0.2 micron filter. Lyophilized from 10 mM Tris, pH 8.5, and 75 mM Arginine.

**TL-1A, human recombinant protein - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**TL-1A, human recombinant protein - Images****TL-1A, human recombinant protein - Background**

TL-1A belongs to the TNF superfamily of ligands. It is expressed predominantly in endothelial cells, and to a lesser extent in placenta, lung, kidney, skeletal muscle, pancreas, small intestine and colon. TL-1A inhibits endothelial cell proliferation and angiogenesis, and has been shown to induce NFkB activation, caspase activity, and apoptosis in responding cell lines. TL-1A interacts with TNFRSF25/DR3 receptor, but can also bind to a decoy receptor TNFRSF21/DR6. Recombinant human TL-1A is a 22.0 kDa polypeptide of 194 amino acid residues.

**TL-1A, human recombinant protein - References**

Zhai Y.,et al.FASEB J. 13:181-189(1999).  
Chew L.-J.,et al.FASEB J. 16:742-744(2002).  
Migone T.-S.,et al.Immunity 16:479-492(2002).  
Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Humphray S.J.,et al.Nature 429:369-374(2004).