

Product datasheet for **TP728288L**

Recombinant TL1A (TNF-like ligand 1A), Human

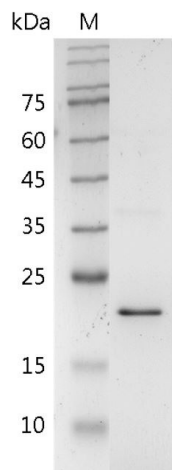
Product data:

| | |
|---------------------------------------|---|
| Product Type: | Recombinant Proteins |
| Description: | Recombinant TL1A (TNF-like ligand 1A), Human |
| Species: | Human |
| Expression Host: | E. coli |
| Expression cDNA Clone or AA Sequence: | MQLRAQGEACVQFQALKGQEFAPSHQQVYAPLRADGDKPRAHLTVVRQTPTQHFKNQFPALHWEHEL GLAFTKNRMNYTNKFLIPESGDYFIYSQVTFRGMTSECSEIRQAGRPNKPD SITVVITKVTD SYPEPTQLLM GTKSVCEVGSNWFQPIYLGAMFSLQEGDKLMVNVSDISLVDYTKEDKTFFGAFL with polyhistidine tag at the C-terminus |
| Tag: | His Tag (C-term) |
| Predicted MW: | The protein has a calculated MW of 22.95 kDa. The protein migrates as 24 kDa under reducing condition (SDS-PAGE analysis). |
| Purity: | >98% as determined by SDS-PAGE. |
| Buffer: | The protein was lyophilized from a 0.2 µm filtered solution containing 1X PBS, pH 8.0. |
| Bioactivity: | Measure by its ability to induce TF-1 cells proliferation. The ED ₅₀ for this effect is <0.2 ng/mL. |
| Endotoxin: | <0.1 EU per 1 µg of the protein by the LAL method. |
| Reconstitution Method: | Centrifuge at 3000 rpm for 5 mins before opening. It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 100 µg/mL and incubate the stock solution at room temperature for at least 20 mins to ensure sufficient re-dissolved. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein. |
| Applications: | Cell culture |
| Storage: | Lyophilized protein should be stored at -20°C for 1 year. Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months. Avoid repeated freeze/thaw cycles. |
| UniProt ID: | O95150 |
| Synonyms: | TNFSF15, VEGI |


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Summary:

TL1A also known as VEGI and TNFSF15, which belongs to TNF ligand superfamily. TL1A is a 28 kDa type II membrane protein containing 251 residues that predominantly expressed in endothelial cells. TL1A is able to promote NFκB activation in cells by interacting with DR3. Besides, TL1A can also induces cell apoptosis through activating caspases. Additionally, the responsiveness of IL-2 from activated T cells has been shown to induce by TL1A treatment.

Product images:


SDS- PAGE analysis of recombinant human TL1A