

## Recombinant Human TL1A protein(His Tag)

**Catalog Number:** PKSH034127

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Description

<b>Species</b>	Human
<b>Source</b>	E.coli-derived Human TL1A protein Gln 58-Leu 251 , with an C-terminal His
<b>Calculated MW</b>	23.0 kDa
<b>Observed MW</b>	24 kDa
<b>Accession</b>	O95150
<b>Bio-activity</b>	Measure by its ability to induce TF-1 cells proliferation. The ED <sub>50</sub> for this effect is <0.2 ng/mL.

### Properties

<b>Purity</b>	> 98 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 0.1 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from sterile PBS, pH 8.0. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

### Background

TL-1A belongs to the TNF superfamily of ligands. It is specially expressed in endothelial cells, and is detected in the placenta, lung, kidney skeletal muscle, pancreas, small intestine and colon. TL-1A inhibits endothelial cell proliferation and angiogenesis. It has been proved to promote NF-KB activation, caspase activity, and apoptosis in responding cell lines. TL-1A can bind with TNFRSF25/DR3 receptor and a decoy receptor TNFRSF21/DR6.

### For Research Use Only