

Recombinant Human TL1A protein(His Tag)

Catalog No. PKSH034127

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

Description

Synonyms	TNFSF15;VEGI
Species	Human
Expression Host	E.coli
Sequence	Gln 58-Leu 251
Accession	O95150
Calculated Molecular Weight	23.0 kDa
Observed molecular weight	24 kDa
Tag	C-His
Bioactivity	Measure by its ability to induce TF-1 cells proliferation. The ED ₅₀ for this effect is < 0.2 ng/mL.

Properties

Purity	> 98 % as determined by reducing SDS-PAGE.
Endotoxin	< 0.1 EU per µg of the protein as determined by the LAL method.
Storage	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.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS,pH 8.0. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	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.

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