

Recombinant Human TL1A protein(His Tag)

Catalog Number: PKSH034127

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

Description

Species	Human
Source	E.coli-derived Human TL1A protein Gln 58-Leu 251 , with an C-terminal His
Calculated MW	23.0 kDa
Observed MW	24 kDa
Accession	O95150
Bio-activity	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% Tween 80 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.