

Recombinant Human GITRL/TNFSF18 Protein (His Tag)



Catalog Number:PKSH032485

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

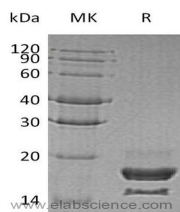
Description

Synonyms	Tumor necrosis factor ligand superfamily member 18;TNFSF18;Activation-inducible TNF-related ligand;Glucocorticoid-induced TNF-related ligand;AITRL; GITRL; TL6
Species	Human
Expression Host	Human Cells
Sequence	Glu74-Ser199
Accession	Q9UNG2
Calculated Molecular Weight	15.3 kDa
Observed molecular weight	16 & 18 kDa
Tag	C-6His

Properties

Purity	> 90 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg 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 a 0.2 µm filtered solution of PBS, pH7.4.
Reconstitution	Please refer to the printed manual for detailed information.

Data



Background

TNFSF18 is a single-pass type II membrane protein. It is expressed at high levels in the small intestine, ovary, testis, kidney and endothelial cells. TNFSF18 cytokine binds to TNFRSF18/AITR/GITR. It regulates T-cell responses, and functions as costimulator and lower the threshold for T-cell activation and T-cell proliferation. It is Important for interactions between activated T-lymphocytes and endothelial cells and Promotes leukocyte adhesion to endothelial cells. TNFSF18 mediates activation of NF-kappa-B. As Triggers increased phosphorylation of STAT1 and up-regulates expression of VCAM1 and ICAM1. It also regulates migration of monocytes from the splenic reservoir to sites of inflammation.

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