Product Name: Recombinant Cynomolgus GITR Ligand (C-6His)
Catalog #: PHV2078

Summary

Name	GITR Ligand/TNFSF18
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Cynomolgus TNF Superfamily Member 18 is produced by our Mammalian expression system and the target gene encoding Glu74-Ser199 is expressed with a 6His tag at the C-terminus.
Accession #	A0A2K5UCD9
Host	Human Cells
Species	Cynomolgus
Predicted Molecular Mass	15.3 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image

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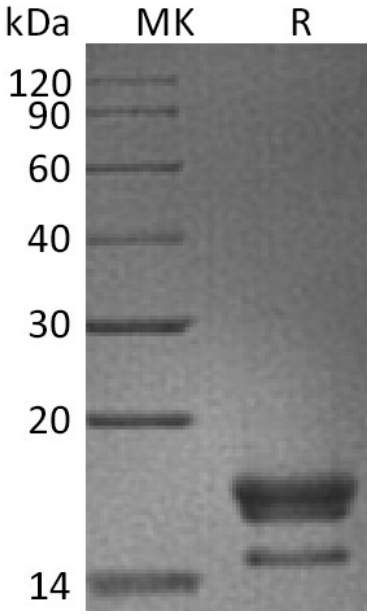

Alternative Names

Tumor necrosis factor ligand superfamily member 18; TNFSF18; Activation-inducible TNF-related ligand; Glucocorticoid-induced TNF-related ligand; AITRL; GITRL; TL6

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.

Note

For Research Use Only , Not for Diagnostic Use.