

Active Recombinant Human TNFSF18 Protein (Gln50-Ile176), C-His tagged, Animal-free, Carrier-free

Cat. No. TNFSF18-311H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TNFSF18 Protein (Gln50-Ile176) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Human
Source	E.coli
ProteinLength	Gln50-Ile176
Description	AITRL also known as TNFSF18, GITRL and TL6, belonging to TNF superfamily. AITRL is a 20.3 kDa protein containing 177 residues that implicates in regulating immune systems. AITRL contributes to tumor suppression and the development of autoimmune diseases via interacting with TNFRSF18/AITR/GITR. Besides, AITRL-GITR signaling has been demonstrated to enhance phosphorylation of STAT1 and up-regulate expression of VCAM1 and ICAM1 in endothelial cells. Furthermore, AITRL can also facilitate the adhesion and transmigration of leukocytes to endothelial cells.
Form	Lyophilized
Bio-activity	Measure by its ability to induce IL-8 secretion in human PBMC using a concentration range of 5-200 ng /mL. Note: Result may vary from different PBMC donors.
Molecular Mass	The protein has a calculated MW of 15.34 kDa.

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	The protein migrates as 11 kDa under reducing condition (SDS-PAGE analysis).
Endotoxin	< 0.1 EU/μg of the protein by the LAL method.
Purity	>98% as determined by SDS-PAGE analysis.
Storage	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 2 weeks under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 200 μg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

GENE INFORMATION

Gene Name	TNFSF18 tumor necrosis factor (ligand) superfamily, member 18 [Homo sapiens (human)]
Official Symbol	TNFSF18
Synonyms	TNFSF18; tumor necrosis factor (ligand) superfamily, member 18; tumor necrosis factor ligand superfamily member 18; AITRL; hGITRL; TL6; AITR ligand; GITR ligand; activation-inducible TNF-related ligand; glucocorticoid-induced TNF-related ligand; glucocorticoid-induced TNFR-related protein ligand; GITRL; MGC138237;

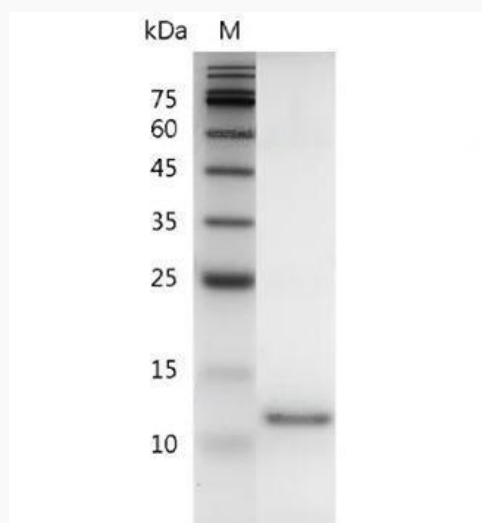
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Gene ID	8995
mRNA Refseq	NM_005092
Protein Refseq	NP_005083
MIM	603898
UniProt ID	Q9UNG2

**SDS-PAGE analysis
of recombinant
human AITRL.**



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