

Recombinant Human TNFSF18 protein

Cat. No. TNFSF18-30484TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human TNFSF18 protein was expressed in Escherichia coli.
Species	Human
Source	E.coli
ProteinLength	126
Description	The protein encoded by this gene is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This cytokine is a ligand for receptor TNFRSF18/AITR/GITR. It has been shown to modulate T lymphocyte survival in peripheral tissues. This cytokine is also found to be expressed in endothelial cells, and is thought to be important for interaction between T lymphocytes and endothelial cells.
Form	Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4.
Bio-activity	Fully biologically active when compared to standard. The biological activity as determined by stimulation of IL-8 production using human PBMC is in a concentration range of 0.1-10 ng/ml.
Molecular Mass	Approximately 14.3 kDa, a single non-glycosylated polypeptide chain containing 126 amino acids.
AA Sequence	ETAKEPCMAKFGPLPSKWQMASSEPPCVNKVSDWKLEILQNGLYLIYGQVAPNANY

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NDVAPFEVRLYKNKDMIQTLTNKSKIQNVGGTYELHVGDTIDLIFNSEHQVLKNNTY
WGIILLANPQFIS

Endotoxin Less than 0.1 EU/μg of rHuAITR Ligand/TNFSF18 as determined by LAL method.

Purity >98% by SDS-PAGE and HPLC analysis.

Storage Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.

Reconstitution We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤-20centigrade. Further dilutions should be made in appropriate buffered solutions.

GENE INFORMATION

Gene Name TNFSF18

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;

Gene ID 8995

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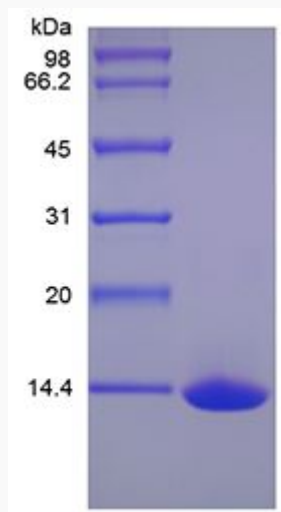
mRNA Refseq [NM_005092](#)

Protein Refseq [NP_005083](#)

MIM [603898](#)

UniProt ID [Q9UNG2](#)

**SDS-PAGE of
TNFSF18-30484TH**



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