

## Recombinant Human TNFSF18 protein, Fc-tagged

Cat. No. TNFSF18-37H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant Human TNFSF18 protein (Gln50-Ser177), fused to human IgG1 Fc tag at N-terminus, was expressed in human 293 cells (HEK293).

**Species** Human

**Source** HEK293

**ProteinLength** 128

**Description** Tumor necrosis factor ligand superfamily member 18 (TNFSF18) is also known as Glucocorticoid-induced TNF-related ligand (GITRL or GITR Ligand), Activation-inducible TNF-related ligand (AITRL), which belongs to the tumor necrosis factor family. TNFSF18 is expressed at high levels in the small intestine, ovary, testis, kidney and endothelial cells. TNFSF18/GITRL is up-regulated after stimulation by bacterial lipopolysaccharides (LPS). TNFSF18 Can function as costimulator and lower the threshold for T-cell activation and T-cell proliferation. TNFSF18/GITR Ligand is important for interactions between activated T-lymphocytes and endothelial cells. TNFSF18 also mediates activation of NF-kappa-B.

**Form** Lyophilized from 0.22 um filtered solution in 50 mM Tris, 100 mM Glycine, pH7.5, 10% trehalose.

**Molecular Mass** The protein has a calculated MW of 41.5 kDa. The protein migrates as 45-48 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

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<b>Endotoxin</b>	Less than 1.0 EU per ug by the LAL method.
<b>Purity</b>	>95% as determined by SDS-PAGE.
<b>Storage</b>	<p>For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower.</p> <p>Please avoid repeated freeze-thaw cycles.</p> <p>This product is stable after storage at:</p> <p>-20 centigrade to -70 centigrade for 12 months in lyophilized state;</p> <p>-70 centigrade for 3 months under sterile conditions after reconstitution.</p>
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

<b>Gene Name</b>	TNFSF18
<b>Official Symbol</b>	TNFSF18
<b>Synonyms</b>	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
<b>Gene ID</b>	8995
<b>mRNA Refseq</b>	NM_005092
<b>Protein Refseq</b>	NP_005083

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<b>MIM</b>	603898
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<b>UniProt ID</b>	Q9UNG2
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