Recombinant Human TNFSF18, FLAG-tagged

Cat. No. TNFSF18-2564H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TNFSF18 was expressed in a human embryonic kidney cell line,*TNFSF18,*and purified from condition. The DNA sequence encoding extracellular domain of human GITR ligand (amino acid 50~177) was tagged with the FLAG peptide sequence at the N-terminus.
Species	Human
Source	HEK293
Description	Tumor necrosis factor ligand superfamily member 18 is a protein that in humans is encoded by the TNFSF18 gene. 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.
Formulation	Lyophilized from 0.2 μm filtered solution in phosphate-buffered saline.
Activity	Lbinding to human GITR transfected cells.
Stability Storage And Handling	The Lyophilized proteins should be stored at 20℃. Centrifuge briefly before opening the vial and reconstitute the lyophilized proteins in an appropriate buffer. The solubilized proteins should be stored in working aliquots at -20℃ for

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	a few months.
Purity	>95%, as determined by SDS-PAGE.
Endotoxin Level	<0.1 EU/μg, as determined by the LAL method.

GENE INFORMATION

Gene Name	TNFSF18 tumor necrosis factor (ligand) superfamily, member 18 [Homo sapiens]
Synonyms	Osteostat; TNFSF18; Tumor necrosis factor ligand superfamily member 18; GITRL; TL6; AITRL; hGITRL; MGC138237; AITR ligand; Activation-inducible TNF-related ligand; GITR ligand; Activation-induced TNFR member Ligand; Glucocorticoid-induced TNF-related ligand; Glucocorticoid-induced TNFR-related protein ligand
Gene ID	8995
mRNA Refseq	NM_005092
Protein Refseq	NP_005083
MIM	603898
UniProt ID	Q9UNG2
Chromosome Location	1q23
Pathway	Cytokine-cytokine receptor interaction
Function	cytokine activity; tumor necrosis factor receptor binding

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