Recombinant Human TNFSF18, His-tagged

Cat. No. TNFSF18-30485TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length soluble domain of Human TNFSF18 protein (125 aa), His-Tagged (14 aa). Calculated MW: 15.7 kDa.
Species	Human
Source	E.coli
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.
Conjugation	HIS
Tissue specificity	Expressed at high levels in the small intestine, ovary, testis, kidney and endothelial cells.
Biological activity	Homologous to the extracellular domain of Human TNF18, Thr53-Ser177.
Form	Lyophilised:Lyophilized from 0.5 mg/ml in 0.03M Acetate buffer, pH 4.Add 0.2 ml of 0.1M Acetate buffer pH 4 and let the lyophilized pellet dissolve completely. For conversion into higher pH value, we recommend intensive dilution by relevant buffer to a c

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Purity	>95% by SDS-PAGE
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MRGSHHHHHH GMASTAKEPC MAKFGPLPSK WQMASSEPPC VNKVSDWKLE ILQNGLYLIY GQVAPNANYNDVAPFEVRLY KNKDMIQTLT NKSKIQNVGG TYELHVGDTI DLIFNSEHQV LKNNTYWGII LLANPQFIS
Sequence Similarities	Belongs to the tumor necrosis factor family.

GENE INFORMATION

Gene Name	TNFSF18 tumor necrosis factor (ligand) superfamily, member 18 [Homo sapiens]
Official Symbol	TNFSF18
Synonyms	TNFSF18; tumor necrosis factor (ligand) superfamily, member 18; tumor necrosis factor ligand superfamily member 18; AITRL; hGITRL; TL6;
Gene ID	8995
mRNA Refseq	NM_005092
Protein Refseq	NP_005083
MIM	603898
Uniprot ID	Q9UNG2
Chromosome	1q23

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Location	
Pathway	Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem;
Function	cytokine activity; receptor binding; tumor necrosis factor receptor binding;

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