

Recombinant Human TNFSF18 protein, His-tagged

Cat. No. TNFSF18-507H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human TNFSF18 (Q9UNG2) aa. (Gln72~Ser199) fused with His tag was produced in HEK293F cells.
Species	Human
Source	HEK293
ProteinLength	Gln72~Ser199
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	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 16.1kDa; Accurate Molecular Mass: 15&18kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	> 97%

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Characteristic	Isoelectric point is 6.1.
Applications	SDS-PAGE; WB; ELISA; IP; CoIP; EMSA; Reporter Assays; Purification; Amine Reactive Labeling
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Concentration	200ug/mL
Storage buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex

GENE INFORMATION

Gene Name	TNFSF18 TNF superfamily member 18 [Homo sapiens (human)]
Official Symbol	TNFSF18
Synonyms	TNFSF18; TNF superfamily member 18; TL6; AITRL; GITRL; TNLG2A; hGITRL; tumor necrosis factor ligand superfamily member 18; AITR ligand; activation-inducible TNF-related ligand; GITR ligand; glucocorticoid-induced TNF-related ligand; glucocorticoid-induced TNFR-related protein ligand; tumor necrosis factor (ligand)

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superfamily, member 18; tumor necrosis factor ligand 2A; tumor necrosis factor superfamily member 18

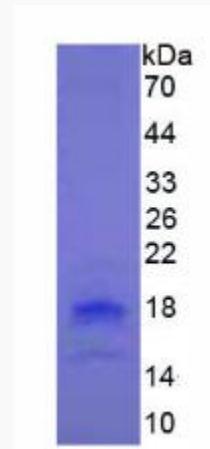
Gene ID 8995

mRNA Refseq NM_005092.3

Protein Refseq NP_005083.2

UniProt ID Q9UNG2

SDS-PAGE



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