

Recombinant Mouse Tnfsf18, His-tagged

Cat. No. Tnfsf18-2130M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant mouse extracellular domain of GITRL (aa 45-173) produced in <i>E. coli</i> fused at the C-terminus to a His-tag.
Species	Mouse
Source	E.coli
ProteinLength	45-173 a.a.
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.
Source/Host	E. coli.
Purity	≥90% (SDS-PAGE).
Concentration	0.5mg/ml.
Endotoxin Content	<1EU/mg protein (LAL test; Bio Whittaker).

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Specificity	Binds to mouse GITR.
Formulation	Liquid. 0.2µm-filtered solution in 10mM glycin, pH 10.0.
Application	rmsGITRL can be used for GITR-mediated NF-κB activation.
Long Term Storage	-20°C.
Use/Stability	Working aliquots are stable for up to 3 months when stored at -20°C.
Handling	Avoid freeze/thaw cycles. After opening, prepare aliquots and store at -20°C.
GENE INFORMATION	
Gene Name	Tnfsf18 tumor necrosis factor (ligand) superfamily, member 18 [<i>Mus musculus</i>]
Synonyms	tumor necrosis factor (ligand) superfamily, member 18; Gitrl; Tnfsf18; GITR ligand; glucocorticoid-induced-tumor necrosis factor receptor ligand
Gene ID	240873
mRNA Refseq	NM_183391
Protein Refseq	NP_899247
Chromosome Location	1 H2.1; 1 84.95 cM
Pathway	Cytokine-cytokine receptor interaction
Function	protein binding; receptor activity

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