

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°C. 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°C for

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a few months.

Purity >95%, as determined by SDS-PAGE.

Endotoxin Level <0.1 EU/g, 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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