

## Active Recombinant Human TNFSF18

Cat. No. TNFSF18-25H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human TNFSF18(Glu74 - Ser199) was expressed in CHO Cells.
<b>Species</b>	Human
<b>Source</b>	CHO
<b>ProteinLength</b>	74-199 a.a.
<b>Description</b>	This gene encodes a member of the TNF-receptor superfamily. The encoded receptor has been shown to have increased expression upon T-cell activation, and it is thought to play a key role in dominant immunological self-tolerance maintained by CD25(+)CD4(+) regulatory T cells. Knockout studies in mice also suggest the role of this receptor is in the regulation of CD3-driven T-cell activation and programmed cell death. Three alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported.
<b>Predicted N Terminal</b>	Tyr
<b>Form</b>	Lyophilized from a 0.2 µ filtered solution in PBS.
<b>Bio-activity</b>	Measured by its ability to induce IL-8 secretion in HT1080 human fibrosarcoma cells transfected with GITR. The ED50 for this effect is typically 4 - 20 ng/mL. The activity can be enhanced approximately 10-fold in the presence of Mouse Anti-Hemagglutinin/HA Peptide Monoclonal Antibody.

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<b>Molecular Mass</b>	Predicted Molecular Mass: 19.6 kDa (monomer)SDS-PAGE: 21-30 kDa, reducing conditions
<b>Purity</b>	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
<b>Storage</b>	12 months from date of receipt, -20 to -70 °C as supplied.1 month, 2 to 8 °C under sterile conditions after reconstitution.3 months, -20 to -70 °C under sterile conditions after reconstitution.
<b>Reconstitution</b>	Reconstitute at 100 µg/mL in PBS.

## GENE INFORMATION

<b>Gene Name</b>	TNFRSF18 tumor necrosis factor receptor superfamily, member 18 [ Homo sapiens (human) ]
<b>Official Symbol</b>	TNFRSF18
<b>Synonyms</b>	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
<b>Gene ID</b>	<a href="#">8995</a>
<b>mRNA Refseq</b>	<a href="#">NM_005092</a>
<b>Protein Refseq</b>	<a href="#">NP_005083</a>
<b>MIM</b>	<a href="#">603898</a>

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<b>UniProt ID</b>	Q9UNG2
<b>Chromosome Location</b>	1q23
<b>Pathway</b>	Cytokine-cytokine receptor interaction; Downstream signaling in naive CD8+ T cells
<b>Function</b>	tumor necrosis factor-activated receptor activity

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