Active Recombinant Human TNFSF18

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

SPECIFICATION

Product Overview	Recombinant Human TNFSF18(Glu74 - Ser199) was expressed in CHO Cells.
Species	Human
Source	CHO
ProteinLength	74-199 a.a.
Description	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.
Predicted N Terminal	Tyr
Form	Lyophilized from a 0.2 μm filtered solution in PBS.
Bio-activity	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.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Molecular Mass	Predicted Molecular Mass: 19.6 kDa (monomer)SDS-PAGE: 21-30 kDa, reducing conditions
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	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.
Reconstitution	Reconstitute at 100 g/mL in PBS.

GENE INFORMATION

Gene Name	TNFRSF18 tumor necrosis factor receptor superfamily, member 18 [Homo sapiens (human)]
Official Symbol	TNFRSF18
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

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA