

Active Recombinant Human TNFRSF18, Fc-tagged, Biotinylated

Cat. No. TNFRSF18-618H Lot. No. (See product label)

SPECIFICATION

Product Overview	The recombinant human GITR-Fc fusion is expressed as a 364 amino acid protein consisting of Gln26 - Glu161 region of GITR (UniProt accession #Q9Y5U5) and a C-terminal Fc from human IgG1, which exists as a dimer under non-reducing conditions.
Species	Human
Source	Human Cells
ProteinLength	26-161 a.a.
Form	Supplied at 0.5 mg/ml in sterile PBSpH7.4 (carrier & preservative free). The purified recombinant protein was labeled with Biotin (3-5 Biotin per molecule).
Bio-activity	Binds to its ligand GITRL/TNFSF18 and blocks GITRL-induced signaling activity.
Molecular Mass	Calculated molecular mass (kDa): 40.1; Estimated by SDS-PAGE under reducing condition (kDa): 45-50
Endotoxin	<0.1 eu per 1 µg of purified recombinant protein determined by the lal>
Purity	>95% judged by SDS-PAGE under reducing condition
Storage	The product is shipped at 4°C. Upon receipt, centrifuge the product briefly before

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opening the vial. It is recommended to store small aliquots at the temperature below -20°C for long-term storage and the product is stable for 3 months. The undiluted protein can be stored at 4°C for no more than 2 weeks. Avoid repeated freeze-thaw cycles.

Conjugation Biotin

GENE INFORMATION

Gene Name [TNFRSF18 tumor necrosis factor receptor superfamily, member 18 \[Homo sapiens \]](#)

Official Symbol [TNFRSF18](#)

Synonyms TNFRSF18; tumor necrosis factor receptor superfamily, member 18; tumor necrosis factor receptor superfamily member 18; AITR; CD357; GITR; activation-inducible TNFR family receptor; glucocorticoid-induced TNFR-related protein; TNF receptor superfamily activation-inducible protein; GITR-D;

Gene ID [8784](#)

mRNA Refseq [NM_004195](#)

Protein Refseq [NP_004186](#)

MIM [603905](#)

UniProt ID [Q9Y5U5](#)

Chromosome Location 1p36.3

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Pathway

Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Downstream signaling in naive CD8+ T cells, organism-specific biosystem;

Function

binding; receptor activity; tumor necrosis factor-activated receptor activity;

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