

Recombinant Human TNFRSF18 protein, hlgG-His-tagged

Cat. No. TNFRSF18-39H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human TNFRSF18, fused to hlgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Species	Human
Source	Insect Cells
Description	TNFRSF18, also known as tumor necrosis factor receptor superfamily member 18 isoform 1, is receptor for TNFSF18. It seems to be involved in interactions between activated T-lymphocytes and endothelial cells and in the regulation of T-cell receptor-mediated cell death. TNFRSF18 mediated NF-kappa-B activation via the TRAF2/NIK pathway. Also, this protein reciprocally stimulated and activate intracellular signals regulating immune functions. In particular, GITR-driven T-cell co-stimulation was found to be the main mechanism by which the GITRL-GITR system contributes to tumor rejection and the development of autoimmune/inflammatory diseases.
Form	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.
Molecular Mass	41.6kDa (376aa)40-57KDa (SDS-PAGE under reducing conditions.)
AA Sequence	QRPTGGPGCG PGRLLLGTGT DARCCRVHTT RCCRDYPGEE CCSEWDCCMCV QPEFHCGDPC CTTCRHHPCP PGQGVQSQ GK FSFGFQCIDC ASGTFSGGHE GHCKPWT DCT QFGFLT VFP NKTHNAV CVP GSPPAELEP KSCDKTHTCP PCPAPELLGG PSVFLFPKP KDTLMIS RTP EVTCVVVDVS HEDPEVKFNW

 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

YVDGVEVHNA KTKPREEQYN STYRVVSVLT VLHQDWLNGK EYKCKVSNKA
 LPAPIEKTIS KAKGQPREPQ VYTLPPSRDE LTKNQVSLTC LVKGFYPSDI
 AVEWESNGQP ENNYKTTTPV LDSDGSFFLY SKLTVDKSRW QQGNVFSCSV
 MHEALHNHYT QKSLSLSPGK HHHHHH

Endotoxin < 1.0 EU per 1 microgram of protein (determined by LAL method)

Purity >95% by SDS - PAGE

Storage Can be stored at +4centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20Centigrade or -70Centigrade. Avoid repeated freezing and thawing cycles.

Concentration 0.5mg/ml (determined by Absorbance at 280nm)

GENE INFORMATION

Gene Name TNFRSF18 tumor necrosis factor receptor superfamily, member 18 [Homo sapiens]

Official Symbol TNFRSF18

Synonyms TNFRSF18; AITR; CD357; GTR; GTR-D;

Gene ID 8784

mRNA Refseq NM_004195

Protein Refseq NP_004186

MIM 603905

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UniProt ID	Q9Y5U5
Chromosome Location	1p36.3
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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