

# Recombinant Rat Tnfrsf18 Protein, hFc-tagged, Alexa Fluor 488 conjugated

**Cat. No.** Tnfrsf18-8735RAF488    **Lot. No.** (See product label)

## SPECIFICATION

**Product Overview**      Alexa Fluor 488 conjugated recombinant Rat Tnfrsf18 (Gln20-Lys121) protein was fused to human IgG1 Fc tag at C-terminus and expressed in human 293 cells (HEK293).

**Species**                      Rat

**Source**                        HEK293

**ProteinLength**              Gln20-Lys121

**Description**                Glucocorticoid-induced TNFR-related protein (GITR) is also known as Tumor necrosis factor receptor superfamily member 18 (TNFRSF18), activation-inducible TNFR family receptor (AITR), CD antigen CD357, which is a member of the tumor necrosis factor receptor (TNF-R) superfamily. GITR is receptor for TNFSF18, which seems to be involved in interactions between activated T-lymphocytes and endothelial cells and in the regulation of T-cell receptor-mediated cell death. GITR also mediated NF-kappa-B activation via the TRAF2/NIK pathway.

**Form**                            Lyophilized

**Molecular Mass**            The protein has a calculated MW of 37.2 kDa. The protein migrates as 45 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

**N-terminal Sequence**      Gln 20

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<b>Analysis</b>	
<b>Endotoxin</b>	< 1.0 EU/ µg by the LAL method.
<b>Purity</b>	> 95 % as determined by SDS-PAGE
<b>Characteristic</b>	Disulfide-linked homodimer Labeled with Alexa Fluor 488 via amines Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
<b>Storage</b>	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.
<b>Storage Buffer</b>	Lyophilized from 0.22 µm filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5, 10% trehalose.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 µg/µL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.
<b>Conjugation</b>	Alexa Fluor 488

## GENE INFORMATION

**Gene Name** Tnfrsf18

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<b>Official Symbol</b>	<a href="#">Tnfrsf18</a>
<b>Synonyms</b>	TNFRSF18; tumor necrosis factor receptor superfamily, member 18; tumor necrosis factor receptor superfamily member 18
<b>Gene ID</b>	<a href="#">500598</a>
<b>mRNA Refseq</b>	<a href="#">NM_001024349</a>
<b>Protein Refseq</b>	<a href="#">NP_001019520</a>
<b>UniProt ID</b>	<a href="#">F7FFS7</a>

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