

Recombinant Rat Tnfrsf18 protein, Fc-tagged

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

SPECIFICATION

Product Overview	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.
Predicted N Terminal	Gln20
Form	Lyophilized from 0.22 µm filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5, 10% trehalose.
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.

 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

Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	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.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

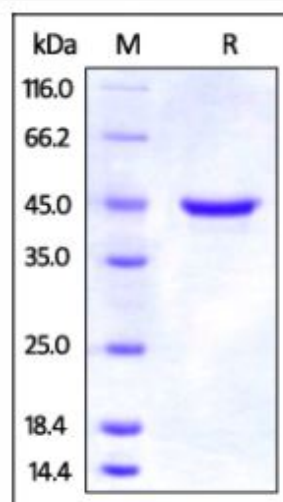
Gene Name	Tnfrsf18
Official Symbol	Tnfrsf18
Synonyms	TNFRSF18; tumor necrosis factor receptor superfamily, member 18; tumor necrosis factor receptor superfamily member 18
Gene ID	500598
mRNA Refseq	NM_001024349
Protein Refseq	NP_001019520
UniProt ID	F7FFS7

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**SDS-PAGE of
Tnfrsf18-8735R**



Rat GITR, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

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