

Recombinant Canine TNFRSF18 protein, His-tagged

Cat. No. TNFRSF18-2511C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Canine TNFRSF18 (Gly23-Pro154) protein was fused to His-tag at C-terminus and expressed in human 293 cells (HEK293).
Species	Canine
Source	HEK293
ProteinLength	Gly23-Pro154
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	Gly23
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4, 10% trehalose.
Molecular Mass	The protein has a calculated MW of 15.8 kDa. The protein migrates as 20-25 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per µg by the LAL method.

 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

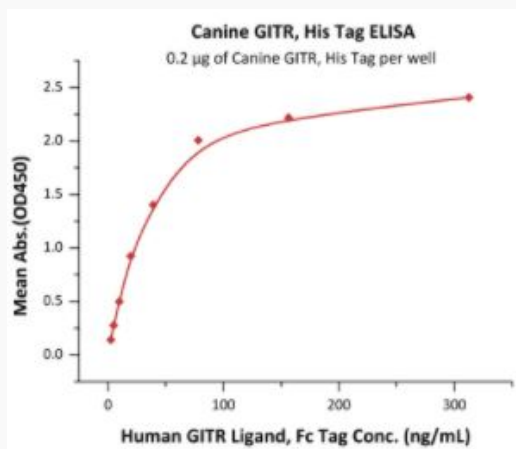
Purity	>90% as determined by SDS-PAGE.
Storage	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade 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	GITR
Gene ID	606971
mRNA Refseq	NM_001190744.1
Protein Refseq	NP_001177673.1
UniProt ID	D7F619

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

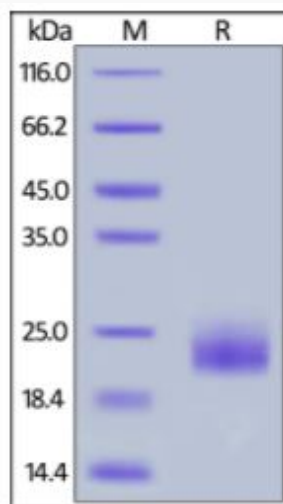
 45-1 Ramsey Road, Shirley, NY 11967, USA

Bioactivity-ELISA of TNFRSF18-2511C



Immobilized Canine GITR, His Tag at 2 µg/mL (100 µL/well) can bind Human GITR Ligand, Fc Tag with a linear range of 2-40 ng/mL (QC tested).

SDS-PAGE of TNFRSF18-2511C



Canine GITR, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90%.