

## ARG70085

## Human TNFSF18 / GITRL recombinant protein (Active) (His-tagged, C-ter)

Package: 100 µg, 20 µg

Store at: -20°C

### Summary

Product Description	E. coli expressed, His-tagged (C-ter) Active Human TNFSF18 / GITRL recombinant protein
Tested Application	SDS-PAGE
Target Name	TNFSF18 / GITRL
Species	Human
A.A. Sequence	Gln50 - Ile176
Expression System	E. coli
Activity	Active
Activity Note	Determined by its ability to induce IL-8 secretion in human PBMC using a concentration range of 5-200 ng/mL. Note: Result may vary from different PBMC donors.
Alternate Names	TL6; AITRL; Glucocorticoid-induced TNF-related ligand; Tumor necrosis factor ligand superfamily member 18; hGITRL; Activation-inducible TNF-related ligand; GITRL

### Properties

Form	Powder
Purification Note	Endotoxin level is less than 0.1 EU/µg of the protein, as determined by the LAL test.
Purity	> 98% (by SDS-PAGE)
Buffer	PBS (pH 7.4)
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min at room temperature to make sure the protein is dissolved completely.
Storage instruction	For long term, lyophilized protein should be stored at -20°C or -80°C. After reconstitution, aliquot and store at -20°C or -80°C for up to one month. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Note	For laboratory research only, not for drug, diagnostic or other use.

### Bioinformation

Gene Symbol	TNFSF18
Gene Full Name	tumor necrosis factor (ligand) superfamily, member 18
Background	The protein encoded by this gene is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This cytokine is a ligand for receptor TNFRSF18/AITR/GITR. It has been shown to modulate T lymphocyte survival in peripheral tissues. This cytokine is also found to be expressed in endothelial cells, and is thought to be important for interaction between T lymphocytes and endothelial cells. [provided by RefSeq, Jul 2008]
Function	Cytokine that binds to TNFRSF18/AITR/GITR. Regulates T-cell responses. Can function as costimulator

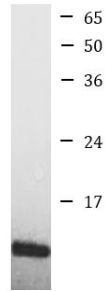
and lower the threshold for T-cell activation and T-cell proliferation. Important for interactions between activated T-lymphocytes and endothelial cells. Mediates activation of NF-kappa-B. Triggers increased phosphorylation of STAT1 and up-regulates expression of VCAM1 and ICAM1. Promotes leukocyte adhesion to endothelial cells. Regulates migration of monocytes from the splenic reservoir to sites of inflammation (By similarity). [UniProt]

#### Cellular Localization

Cell membrane; Single-pass type II membrane protein. [UniProt]

## Images

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Human TNFSF18 / GITRL  
recombinant protein

ARG70085 Human TNFSF18 / GITRL recombinant protein (Active)  
(His-tagged, C-ter) SDS-PAGE image

SDS-PAGE analysis of ARG70085 Human TNFSF18 / GITRL  
recombinant protein (Active) (His-tagged, C-ter).