

For Research Use Only

# Recombinant Human TNFSF18 protein (hFc Tag)



Catalog Number: Eg0067

## Basic Information

**Species:**  
Human

**Purity:**  
>90 %, SDS-PAGE

**Tag:**  
hFc Tag

## Technical Specifications

**Purity:**

>90 %, SDS-PAGE

**Endotoxin Level:**

<0.1 EU/μg protein, LAL method

**Source:**

HEK293-derived Human TNFSF18 protein Gln50-Ser177 (Accession# Q9UNG2) with a human IgG1 Fc tag at the N-terminus.

**GeneID:**

8995

**Accession:**

Q9UNG2

**Predicted Molecular Mass:**

40.9 kDa

**SDS-PAGE:**

40-48 kDa, reducing (R) conditions

**Formulation:**

Lyophilized from 0.22 μm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

## Biological Activity

Not tested

## Storage and Shipping

**Storage:**

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

**Shipping:**

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

## Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

## Background

TNFSF18 is also named as Glucocorticoid-induced TNF-related ligand (hGITRL). GITR is a gene coding for a member of the TNF receptor superfamily. GITR activation by its ligand (GITRL) influences the activity of effector and regulatory T cells, thus participating in the development of immune response against tumours and infectious agents, as well as in autoimmune and inflammatory diseases. GITR-GITRL interactions co-stimulate both responder T-cell functions and the suppressive functions of TReg cells. GITRL is expressed at high levels in the small intestine, ovary, testis, kidney and endothelial cells.

## References

1. Giuseppe Nocentini, et al. (2007) Eur J Immunol. 37(5):1165-9.
2. Ethan M Shevach, et al. (2006) Nat Rev Immunol. 6(8):613-8.
3. Pedro M L, et al. (2013) J Pharmacol Exp Ther. 347(1):164-72.

## Synonyms

TNFSF18, Activation-inducible TNF-related ligand, AITRL, GITRL, Glucocorticoid-induced TNF-related ligand

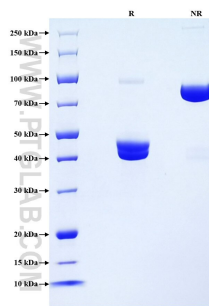
For technical support and original validation data for this product please contact

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## Selected Validation Data



Purity of Recombinant Human TNFSF18 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.