

Recombinant Human GITR/TNFRSF18 protein (rFc Tag)

Catalog Number: Eg1356

Basic Information

Species:
Human**Purity:**
>90 %, SDS-PAGE**Tag:**
rFc Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<1.0 EU/ µg protein, LAL method

Source:

HEK293-derived Human GITR/TNFRSF18 protein Gln26-Glu161 (Accession# Q9Y5U5-1) with a rabbit IgG Fc tag at the C-terminus.

GeneID:

8784

Accession:

Q9Y5U5-1

Predicted Molecular Mass:

40.8 kDa

SDS-PAGE:**Formulation:**

Lyophilized from sterile 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

GITR is a type I transmembrane protein that contains a cysteine-rich extracellular domain and an intracellular domain that is highly homologous to TNFR family members 4-1BB/CD137 and CD27. GITR is expressed on a variety of immune cells, including regulatory T cells (Tregs), effector T cells (Teffs), natural killer cells (NK cells), B cells, and certain myeloid cells. Activation of GITR can promote the activation, proliferation, and cytokine secretion of effector T cells.

References

1. Oja, Anna E et al. Immunology letters vol. 222 (2020): 73-79.
2. Wang, Feng et al. Nature communications vol. 12,1 (2021): 1378.
3. Ming, Siqi et al. Frontiers in immunology vol. 12 (2021): 736269.
4. Chan, Sarah et al. Nature cancer vol. 3,3 (2022): 337-354.

Synonyms

TNFRSF18, AITR, CD357, GITR, GITR D

Selected Validation Data

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

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