

# Recombinant Human GITR/TNFRSF18 Protein (Fc Tag)



Catalog Number:PKSH032486

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

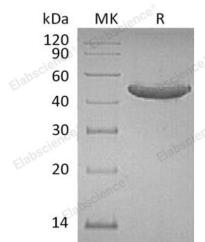
## Description

|                                    |  |
|------------------------------------|--|
| <b>Synonyms</b>                    | Tumor necrosis factor receptor superfamily member 18;TNFRSF18;Glucocorticoid-induced TNFR-related protein;CD357;TNFRSF18;AITR;GITR |
| <b>Species</b>                     | Human  |
| <b>Expression Host</b>             | HEK293 Cells   |
| <b>Sequence</b>                    | Gln26-Gln161   |
| <b>Accession</b>                   | Q9Y5U5   |
| <b>Calculated Molecular Weight</b> | 41.2 kDa   |
| <b>Observed molecular weight</b>   | 42-50 kDa  |
| <b>Tag</b>                         | C-Fc   |

## Properties

|                       |   |
|-----------------------|---|
| <b>Purity</b>         | > 95 % as determined by reducing SDS-PAGE.  |
| <b>Endotoxin</b>      | < 1.0 EU per µg of the protein as determined by the LAL method.   |
| <b>Storage</b>        | Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.             |
| <b>Shipping</b>       | This product is provided as lyophilized powder which is shipped with ice packs.   |
| <b>Formulation</b>    | Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.<br>Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.<br>Please refer to the specific buffer information in the printed manual. |
| <b>Reconstitution</b> | Please refer to the printed manual for detailed information.  |

## Data



> 95 % as determined by reducing SDS-PAGE.

## Background

Tumor necrosis factor receptor superfamily member 18(Gitr) contains 3 TNFR-Cys repeats and it have four isoforms. Isoform A and Isoform B are single-pass type I membrane protein and Isoform C is a secreted protein. The protein is the receptor for TNFSF18. It seems to be involved in interactions between activated T-lymphocytes and endothelial cells and in the regulation of T-cell receptor-mediated cell death. It mediates NF-kappa-B activation via the TRAF2/NIK pathway. It binds to TRAF1; TRAF2; and TRAF3; but not TRAF5 and TRAF6 and binds through its C-terminus to SIVA1/SIVA. It is preferentially expressed in activated T lymphocytes and up-regulated in peripheral mononuclear cells after antigen stimulation/lymphocyte activation.

## For Research Use Only

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