

Recombinant Mouse GITR/TNFRSF18 Protein (Fc & His Tag)



Catalog Number: PKSM041029

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

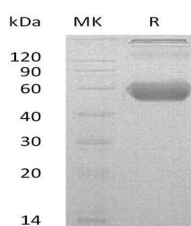
Description

Synonyms	Tumor necrosis factor receptor superfamily member 18; Glucocorticoid-induced TNFR-related protein; Tnfrsf18; AITR; CD357; GITR-D; TNFRSF18
Species	Mouse
Expression Host	HEK293 Cells
Sequence	Ser22-His153
Accession	O35714
Calculated Molecular Weight	42.3 kDa
Observed molecular weight	60 kDa
Tag	C-Fc-His

Properties

Purity	> 90 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	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.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 90 % as determined by reducing SDS-PAGE.

Background

Tumor necrosis factor receptor superfamily member 18 (Gitr) contains 3 TNFR-Cys repeats and it has four isoforms. Isoform A is isoform B and isoform C is single-pass type I membrane protein and isoform D 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 mediated NF-κB 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 preferentially expressed in activated T lymphocytes and up-regulated in peripheral mononuclear cells after antigen stimulation/lymphocyte activation.

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