

GITR Active Protein | TNFRSF18 active protein

GITR Protein, Human, Recombinant (ECD, His Tag)

CATALOG #
AAA258024

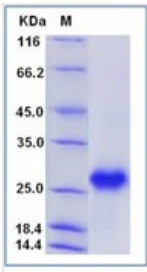
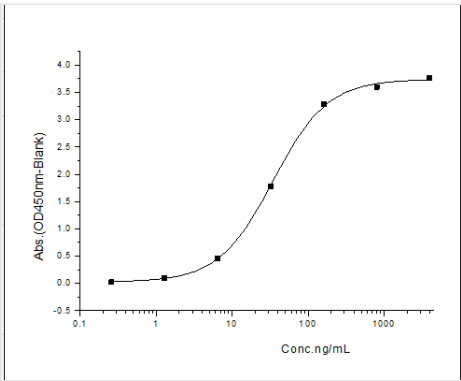
HOST
HEK293 Cells

PRODUCT SYNONYMS

GITR; GITR Protein; Human; Recombinant (ECD; His Tag); Human GITR/TNFRSF18 Protein (His Tag; ECD); AITR Protein; CD357 Protein; GITR-D Protein; tumor necrosis factor receptor superfamily; member 18; TNFRSF18 active protein

PRODUCT SPECIFICATIONS

Host	HEK293 Cells
Purity/Purification	>95% as determined by SDS-PAGE
Form/Format	Lyophilized from sterile PBS, pH7.4. Normally 5%-8% trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Sequence	Met1-Glu16 1
Species	Human
Endotoxin	<1.0EU per ug protein as determined by the LAL method.
Predicted N Terminal	Gln 26
Tag	C-His
Protein Construction	A DNA sequence encoding the human TNFRSF18 (NP_683700.1)(Met1-Glu161) was expressed with a polyhistidine tag at the C-terminus.
Reconstitution	A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.
Activity	Measured by its binding ability in a functional ELISA. Immobilized TNFRSF18-His at 10ug/mL (100uL/well) can bind TNFSF18-mFc. The EC50 of TNFSF18-mFc is 20-60ng/mL.
Preparation and Storage	Samples are stable for up to twelve months from date of receipt at -20 degree C to -80 degree C. Store it under sterile conditions at -20 degree C to -80 degree C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice.



SDS-PAGE

Application Data
Measured by its binding ability in a functional ELISA. Immobilized TNFRSF18-His at 10 ug/mL (100 uL/well) can bind TNFSF18-mFc, the EC50 of TNFSF18-mFc is 20-60 ng/mL.

ADDITIONAL INFORMATION

Related Product Information for TNFRSF18 active protein	Background: GITR, also known as TNFRSF18(CD357), belongs to the tumor necrosis factor receptor (TNF-R) superfamily. It is the receptor for TNFSF18. GITR plays a key role in dominant immunological self-tolerance maintained by CD25(+)CD4(+) regulatory T cells. GITR may be involved in interactions between activated T-lymphocytes and endothelial cells and in the regulation of T-cell receptor-mediated cell death. GITR and its ligand are important costimulatory molecules in the pathogenesis of autoimmune diseases. It also mediates NF-kappa-B activation via the TRAF2/NIK pathway.
Product Categories/Family for TNFRSF18 active protein	Cancer Drug Targets
References	Kwon B, et al. (1999) Identification of a novel activation-inducible protein of the tumor necrosis factor receptor superfamily and its ligand. J Biol Chem. 274(10):6056-61.Nocentini G, et al. (1997) A new member of the tumor necrosis factor/nerve growth factor receptor family inhibits T cell receptor-induced apoptosis. Proc Natl Acad Sci. 94(12): 6216-21.Baltz KM, et al. (2007) Cancer immunoediting by GITR (glucocorticoid-induced TNF-related protein) ligand in humans: NK cell/tumor cell interactions. FASEB J. 21(10):2442-54.

NCBI AND UNIPROT INFORMATION

NCBI GI #	23238197
NCBI GeneID	8784
NCBI Accession #	NP_683700.1
NCBI GenBank Nucleotide #	NM_148902.1
Molecular Weight	25,110 Da
NCBI Official Full Name	tumor necrosis factor receptor superfamily member 18 isoform 3
NCBI Official Synonym Full Names	tumor necrosis factor receptor superfamily, member 18
NCBI Official Symbol	TNFRSF18
NCBI Official Synonym Symbols	AITR; GITR; CD357; GITR-D
NCBI Protein Information	tumor necrosis factor receptor superfamily member 18; TNF receptor superfamily activation-inducible protein; activation-inducible TNFR family receptor; glucocorticoid-induced TNFR-related protein

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.