

Product Name	Recombinant Human GITR	SDS-PAGE gel	
Synonym(s)	AITR, CD357, GITR, GITR-D	1	2
Quantity	100 µg, 1 mg	kDa	M
Species	Human	116	
Class Type	Recombinant Protein	66.2	
Molecular weight	~25 kDa (due to glycosylation); 16 kDa (predicted)	45.0	
Purity	≥ 95% by SDS-PAGE, ≥ 90% by SEC-HPLC	35.0	
Tag	C-terminal polyhistidine tag	25.0	
Expression Source	HEK 293 cells	18.4	
GenBank Accession #	(NP_683700.1) (Met1-Glu161)	14.4	
Application	Western Blotting, Functional Studies		
Endotoxin	<1.0 EU/µg protein as determined by the LAL method.		
Formulation	Lyophilized from sterile PBS, pH 7.4		
Storage and Stability	Stable for 12 months at -80°C, Avoid freeze/thaw cycles	1 – MW Marker 2 – CITR	
Description	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.		
Reference	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 (glucocorticoidinduced TNF-related protein) ligand in humans: NK cell/tumor cell interactions. FASEB J. 21(10):2442-54.		

Related products:

Product Name	Catalog #	Size
Recombinant Human PD-L1	237351	100 µg
Recombinant Human CD40	232340	100 µg
Recombinant Human CD40L	2323405	100 µg
Recombinant Human CD70	232370	100 µg
Recombinant Human CD155	2323155	100 µg

Recombinant Human SIRP-alpha	2374772	100 ug
Recombinant Human OX40	236940	100 ug
Recombinant Human OX40L	2369405	100 ug
DNA Polymerase Theta Activity Assay Kit	362101	96 reactions
DNA Polymerase Theta-N-Helicase Domain	7657643	20 ug, 100 ug
DNA Polymerase Theta-C terminal Domain	7657283	20 ug, 100 ug, 1 mg
DNA Polymerase Theta Full Length protein	7657385	10 ug, 50 ug
T7 RNA polymerase	777627	5000 U, 25000U, 100000U
T7 High Yield RNA Synthesis Kit	777627-RK	25 rxns, 50 rxns, 100 rxns
Recombinant Mouse Leukemia Inhibitory Factor (mLIF)	11-0001	10 ug, 100 ug
Recombinant Human LIF	12-0002	10 ug, 100 ug, 1 mg
Recombinant Human LIF, Animal-Free	12-0002AFR	10 ug, 100 ug, 1 mg
Recombinant Human FGF-basic, Carrier-free	12-0005CFR	50 ug, 100 ug, 500 ug, 1 mg
Kras Wild Type (WT), GST-tag	5727-4121G	50 µg, 100 µg
Kras WT, GST-tag, GDP Loaded	5727-WTG-G	50 µg, 100 µg
Kras WT, GST-tag, GppNHp loaded	5727-WTG-GP	50 µg, 100 µg
Kras G12C, GST-tag	5727-4122G	50 µg, 100 µg
Kras G12C, GST-tag, GDP Loaded	5727-4122G -G	50 µg, 100 µg
Kras G12C, GST-tag, GppNHp loaded	5727-4122G -GP	50 µg, 100 µg
Kras G12C Nucleotide Exchange Assay Kit	5727-4122NK	384 reactions
Kras G12C – cRAF Binding Assay Kit	5727-4122BK	384 reactions
Human RBD-RAF1, N-His tag, C-FLAG tag	7237231	50 µg, 100 µg
Human SOS1, No Tag	7671	50 µg, 100 µg
Human SOS1, His-Avi-Tag	7671HA	50 µg, 100 µg

This product is for research use only and not for diagnostic or therapeutic use.