

Product Name	Recombinant Human GITRL	SDS-PAGE gel	
Synonym(s)	Tumor necrosis factor ligand superfamily member 18; Activation-inducible TNF-related ligand; Glucocorticoid-induced TNF-related ligand	1	2
Quantity	100 µg, 1 mg	KDa	M
Species	Human	116	
Class Type	Recombinant Protein	66.2	
Molecular weight	45.5 kDa (under reducing conditions); 40.9 kDa (predicted)	45.0	
Purity	>90% by SDS-PAGE and SEC-HPLC	35.0	
Tag	C-terminal mouse IgG2a FC	25.0	
Expression Source	HEK 293 cells	18.4	
GenBank Accession #	NP_005083.3, a. a. 72-199	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 – GITRL
Description	Tumor necrosis factor ligand superfamily member 18 (TNFSF18) is a protein that belongs to the tumor necrosis factor (TNF) superfamily. It is also known as Glucocorticoid-induced TNF receptor ligand (GITRL). The protein is primarily expressed on antigen-presenting cells, such as dendritic cells, macrophages, and B cells, and it functions as a co-stimulatory molecule for the activation of T cells. TNFSF18-GITRL interaction is involved in the pathogenesis of autoimmune diseases, transplant rejection, and tumor immune evasion. Therefore, targeting TNFSF18 signaling is a promising therapeutic strategy for various diseases.		
Reference	Byrne, A M et al. Clinical and experimental allergy : journal of the British Society for Allergy and Clinical Immunology vol. 42,4 (2012): 550-9. Tuyaerts, Sandra et al. Journal of leukocyte biology vol. 82,1 (2007): 93-105. Nocentini, Giuseppe et al. British journal of pharmacology vol. 165,7 (2012): 2089-99. Buzzatti, Giulia et al. ESMO open vol. 4,Suppl 3 (2020): e000738. Tian, Jie et al. Frontiers in immunology vol. 11 588682. 9 Oct. 2020.		

Related products:

<u>Product Name</u>	<u>Catalog #</u>	<u>Size</u>
Recombinant Human PD-L1	237351	100 ug
Recombinant Human CD40	232340	100 ug
Recombinant Human CD40L	2323405	100 ug
Recombinant Human CD70	232370	100 ug
Recombinant Human CD155	2323155	100 ug

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.