

GITRL Protein, Human, Recombinant (His)

General Information

Synonyms:	TL6;tumor necrosis factor (ligand) superfamily, member 18;hGITRL;GITRL;AITRL
Protein Construction:	A DNA sequence encoding the human TNFSF18 (AAD22634.1) (Glu52-Ser177) was expressed with a polyhistidine tag at the N-terminus. Predicted N terminal: His
Species:	Human
Expression Host:	Baculovirus Insect Cells
Accession:	Q9UNG2
Molecular Weight:	15.6 kDa (predicted)

QC Testing

Biological Activity:	Activity testing is in progress. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 95 % as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/µg of the protein as determined by the LAL method.
Formulation:	Lyophilized from a solution filtered through a 0.22 µm filter, containing 20 mM Tris, pH 8.0, 300 mM NaCL, 10% glycerol. Typically, a mixture containing 5% to 8% trehalose, mannitol, and 0.01% Tween 80 is incorporated as a protective agent before lyophilization.

Preparation and Storage

Reconstitution:	A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.
Stability & Storage:	It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots. <small>Actual storage temperature shall be subject to the COA.</small>
Shipping:	In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

The protein encoded by this gene is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This cytokine is a ligand for receptor TNFRSF18/AITR/GITR. It has been shown to modulate T lymphocyte survival in peripheral tissues. This cytokine is also found to be expressed in endothelial cells, and is thought to be important for interaction between T lymphocytes and endothelial cells. Cancer Immunotherapy Co-stimulatory Immune Checkpoint Targets Immune Checkpoint Targets Immune Checkpoint Targets Immunotherapy Targeted Therapy

Reference

Liu Y, Tang X, Tian J, et al. Th17/Treg Cells Imbalance and GITRL Profile in Patients with Hashimoto's Thyroiditis. Nicot C, ed. International Journal of Molecular Sciences. 2014;15(12):21674-21686.

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