Recombinant Human TNFSF18 Protein (Glu52-Ser177), His-tagged

Cat. No. TNFSF18-640H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TNFSF18 Protein (AAD22634.1) (Glu52-Ser177) was produced by Baculovirus-Insect Cells expression system. This protein was expressed with a polyhistidine tag at the N-terminus.
Species	Human
Source	Insect Cells
ProteinLength	Glu52-Ser177
Description	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.
Predicted N Terminal	His
Form	Lyophilized from sterile 20 mM Tris, pH 8.0, 300 mM NaCL, 10 % glycerol. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant human TNFSF18 consists of 136 amino acids and predicts a

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	molecular mass of 15.6 kDa.
Endotoxin	< 1.0 EU per μg protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70 centigrade.
Storage	Store it under sterile conditions at -20 centigrade to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 mg/ml. Centrifuge the vial at 4℃ before opening to recover the entire contents.
Shipping	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 unless customers require otherwise.

GENE INFORMATION

Gene Name	TNFSF18 tumor necrosis factor (ligand) superfamily, member 18 [Homo sapiens]
Official Symbol	TNFSF18
Synonyms	TNFSF18; AITRL; hGITRL; TL6; AITR ligand; GITR ligand; GITRL; MGC138237;
Gene ID	8995
mRNA Refseq	NM_005092

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Protein Refseq	NP_005083
MIM	603898
UniProt ID	Q9UNG2

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