

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

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

## SPECIFICATION

<b>Product Overview</b>	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.
<b>Species</b>	Human
<b>Source</b>	Insect Cells
<b>ProteinLength</b>	Glu52-Ser177
<b>Description</b>	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.
<b>Predicted N Terminal</b>	His
<b>Form</b>	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.
<b>Molecular Mass</b>	The recombinant human TNFSF18 consists of 136 amino acids and predicts a

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	molecular mass of 15.6 kDa.
<b>Endotoxin</b>	< 1.0 EU per µg protein as determined by the LAL method.
<b>Purity</b>	> 95 % as determined by SDS-PAGE.
<b>Stability</b>	Samples are stable for up to twelve months from date of receipt at -70 centigrade.
<b>Storage</b>	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.
<b>Reconstitution</b>	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°C before opening to recover the entire contents.
<b>Shipping</b>	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

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

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**Protein Refseq** NP\_005083

**MIM** 603898

**UniProt ID** Q9UNG2

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