

Human TNFSF18 Protein (His Tag)

Catalog Number: 16080-H07B



Sino Biological
Biological Solution Specialist

General Information

Gene Name Synonym:

AITRL; GITRL; hGITRL; TL6

Protein Construction:

A DNA sequence encoding the human TNFSF18 (AAD22634.1) (Glu52-Ser177) was expressed with a polyhistidine tag at the N-terminus.

Source: Human

Expression Host: Baculovirus-Insect Cells

QC Testing

Purity: > 95 % as determined by SDS-PAGE.

Endotoxin:

< 1.0 EU per µg protein as determined by the LAL method.

Stability:

Samples are stable for up to twelve months from date of receipt at -70 °C

Predicted N terminal: His

Molecular Mass:

The recombinant human TNFSF18 consists of 136 amino acids and predicts a molecular mass of 15.6 kDa.

Formulation:

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. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:

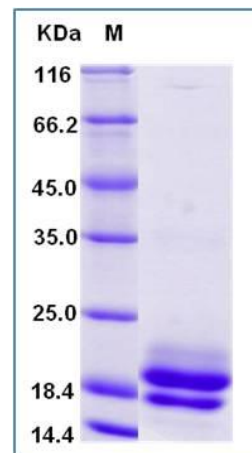
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



Protein 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.

References

3.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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For US Customer: Fax: 267-657-0217 • Tel: 215-583-7898

Global Customer: Fax :+86-10-5862-8288 • Tel:+86-400-890-9989 • <http://www.sinobiological.com>