

Recombinant Human GITRL Protein(His Tag)

Catalog Number: PDMH100033

Note: Centrifuge before opening to ensure complete recovery of vial contents.

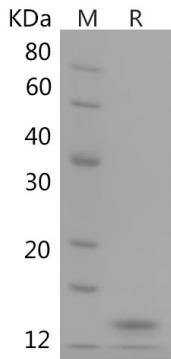
Description

Species	Human
Source	HEK293 Cells-derived Human GITRL protein Leu49-Ser177, with an C-terminal His
Calculated MW	14.6 kDa
Observed MW	15 kDa
Accession	Q9UNG2
Bio-activity	Not validated for activity

Properties

Purity	> 90% as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU/mg of the protein as determined by the LAL method
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5 mg/mL. Concentration is measured by UV-Vis.

Data



SDS-PAGE analysis of Human GITRL proteins, 2 µg/lane of Recombinant Human GITRL proteins was resolved with SDS-PAGE under reducing conditions, showing bands at 15 kDa.

Background

Cytokine that binds to TNFRSF18/ATR/GITR. Regulates T-cell responses. Can function as costimulator and lower the threshold for T-cell activation and T-cell proliferation. Important for interactions between activated T-lymphocytes and endothelial cells. Mediates activation of NF-kappa-B. Triggers increased phosphorylation of STAT1 and up-regulates expression of VCAM1 and ICAM1. Promotes leukocyte adhesion to endothelial cells. Regulates migration of monocytes from the splenic reservoir to sites of inflammation.

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