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Recombinant Rat IL-4 Protein

Catalog Number: PDMR100003

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

Description

Species Rat

Source HEK293 Cells-derived Rat IL-4 protein Met1-Ser147, with an C-terminal His

Calculated MW 16.5 kDa
Observed MW 17 kDa
Accession P20096

Bio-activity Not validated for activity

Properties

Purity > 85% 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.

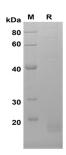
ShippingThis product is provided as lyophilized powder which is shipped with ice packs.FormulationLyophilized from a 0.2 μm filtered solution in PBS with 5% Trehalose and 5%

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 Rat IL-4 proteins, 2µg/lane of Recombinant Rat IL-4 proteins was resolved with SDS-PAGE under reducing conditions, showing bands at 17 KD.

Background

Tel:400-999-2100

Participates in at least several B-cell activation processes as well as of other cell types.

It is a costimulator of DNA-synthesis. It induces the expression of class II MHC molecules on resting B-cells. It enhances both secretion and cell surface expression of IgE and IgGl. It also regulates the expression of the low affinity Fc receptor for IgE (CD23) on both lymphocytes and monocytes. Positively regulates IL31RA expression in macrophages.

Stimulates autophagy in dendritic cells by interfering with mTORC1 signaling and through the induction of RUFY4.

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