

Recombinant Mouse IL-5 Protein(Fc Tag)

Catalog Number: GPMM0077

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

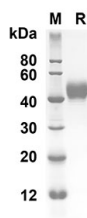
Description

Species	Mouse
Source	Mammalian-derived Mouse IL-5 proteins Met1-Gly133, C-terminal Fc
Calculated MW	39.5 kDa
Observed MW	40-60 kDa
Accession	P04401
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 Mouse IL-5 proteins, 2 µg/lane of Recombinant Mouse IL-5 proteins was resolved with SDS-PAGE under reducing conditions, showing bands at 39.5 KD

Background

IL-5 (Interleukin-5) is a secreted cytokine that is expressed as a covalent dimer. It is produced by activated Th2 cells, eosinophils, mast cells, and iNKT cells and promotes eosinophilic and basophilic differentiation and activation. IL-5 signals through a receptor complex containing IL-5 R alpha and the Common beta Chain/CD131 on eosinophils and basophils. Naturally occurring soluble forms of IL-5 R alpha retain the ability to bind IL-5 and limit its bioavailability.