

Recombinant Human Interferon α -1/IFNA1 Protein (His Tag)

Catalog Number: PDMH100009

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

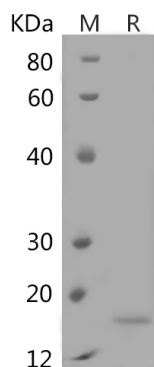
Description

Species	Human
Source	Mammalian-derived Human Interferon α -1;IFNA1 protein Cys24-Glu189, with an C-terminal His
Calculated MW	20.4 kDa
Observed MW	17 kDa
Accession	P01562
Bio-activity	Not validated for activity

Properties

Purity	> 95% 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 μ m 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 Interferon α -1/IFNA1 proteins, 2 μ g/lane of Recombinant Human Interferon α -1/IFNA1 proteins was resolved with SDS-PAGE under reducing conditions, showing bands at 17 kDa.

Background

Interferon alpha-1/13 (IFN-alpha-1/13 for short), also known as Interferon alpha-D, is a secreted protein which belongs to the alpha/beta interferon family. It is produced by macrophages. IFN-alpha have antiviral activities. Interferon stimulates the production of two enzymes: a protein kinase and an oligoadenylate synthetase. IFN-alpha exerts a variety of other biological effects, including antitumor and immunomodulatory activities and are increasingly used clinically to treat a range of malignancies, myelodysplasias and autoimmune diseases.

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