

Recombinant Human IFNA4 Protein (His Tag)

Catalog No. PKSH033280

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

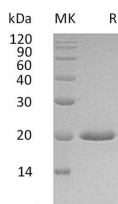
Description

Synonyms	Interferon alpha-4;Interferon alpha-4B;Interferon alpha-76;Interferon alpha-M1;IFNA4
Species	Human
Expression Host	HEK293 Cells
Sequence	Cys24-Asp189
Accession	P05014
Calculated Molecular Weight	20.4 kDa
Observed molecular weight	20 kDa
Tag	C-His
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg 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 of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Interferon stimulates the production of two enzymes: a protein kinase and an oligoadenylate synthetase. They allow for

For Research Use Only

communication between cells to trigger the protective defenses of the immune system that eradicate pathogens or tumors. They are typically divided among three IFN classes: Type I, Type II and Type III. IFNA4 is a secreted protein and produced by macrophages. Two variants of IFNA4 (IFNA4a and IFNA4b) are known, which differ from each other by changes in their coding regions at nucleotide positions 220 and 410 .