



Recombinant Protein Technical Manual

Recombinant Human IFNA4 Protein (His Tag)

RPES1120

Product Data:

Product SKU: RPES1120

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: P05014

Protein Information:

Molecular Mass: 20.4 kDa

AP Molecular Mass: 20 kDa

Tag: C-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: 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 20mM PB,150mM NaCl,pH7.2.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Interferon alpha-4; Interferon alpha-4B; Interferon alpha-76;Interferon alpha-M1;IFNA4

Immunogen Information:

Sequence: Cys24-Asp189

Background:

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