



Recombinant Protein Technical Manual

Recombinant Human IFN α 2b/IFNA2 Protein

RPES1929

Product Data:

Product SKU: RPES1929

Size: 10 μ g

Species: Human

Expression host: E. coli

Uniprot: P01563

Protein Information:

Molecular Mass: 19.4 kDa

AP Molecular Mass: 16 kDa

Tag:

Bio-activity:

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

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

Storage: Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°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 of 20mM PB, 150mM NaCl, pH 7.2.

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

Application:

Synonyms: Interferon Alpha-2; IFN-Alpha-2; Interferon Alpha-A; LeIF A; IFNA2; IFN-alpha 2b

Immunogen Information:

Sequence: Cys24-Glu188

Background:

At least 23 different variants of IFN- α are known. The individual proteins have molecular masses between 19-26 kDa and consist of proteins with lengths of 15666 and 172 amino acids. All IFN- α subtypes possess a common conserved sequence region between amino acid positions 11551 while the amino-terminal ends are variable. Many IFN- α subtypes differ in their sequences by only one or two positions. Naturally occurring variants also include proteins that are truncated by 10 amino acids at the carboxyl-terminal end.