Recombinant Human IFN alpha2a

Catalog #	EPT239
Expression Host	E.coli
DESCRIPTION	Recombinant Human Interferon Alpha-2a is produced by our E.coli expression system and the target gene encoding Cys24-Glu188 is expressed.
Accession	P01563
Synonyms	Interferon Alpha-2; IFN-Alpha-2; Interferon Alpha-A; LeIF A; IFNA2
Mol Mass	19.24 KDa
AP Mol Mass	16 KDa, reducing conditions
Purity	Greater than 95% as determined by reducing SDS-PAGE.
Endotoxin	Less than 0.1 ng/µg (1 EU/µg) as determined by LAL test.
FORMULATION	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.
RECONSTITUTION	Always centrifuge tubes before opening.Do not mix by vortex or pipetting.

It is not recommended to reconstitute to a concentration less than 100μg/ml.

Dissolve the lyophilized protein in distilled water.

Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SHIPPING

The product is shipped at ambient temperature.

Upon receipt, store it immediately at the temperature listed below.

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.

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 156-166 and 172 amino acids. All IFN-α subtypes possess a common conserved sequence region between amino acid positions 115-151 while the amino-terminal ends are variable. Many IFN-α subtypes only differ in their sequences by one or two
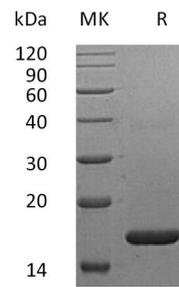
positions. Naturally occurring variants also include proteins truncated by 10 amino acids at the carboxy-terminal end.

SDS-PAGE