

Human IFNA1A Recombinant Protein



RPPB0380

Product Information Protein Information

Product SKU:

RPPB0380

Accession:

P01562

Host:

Escherichia Coli.

Protein description:

IFN-alpha 1a Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 167 amino acids and having a molecular mass of 19.5kDa. The IFNA1A (V115A) is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

IFN-alpha 1a, IFN-a 1a, IFN alpha 1a.

Formulation:

The IFN-a 1a protein was lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4, containing 3% Mannitol, 5% Trehalose, 0.05% Tween-80.

Purity:

Greater than 97.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized IFN alpha 1a in sterile 18MΩ-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized IFNA1A although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IFN-alpha 1a should be stored at 4°C between 2-7 days and for future use below -18°C.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.

Amino Acid Sequence:

MCDLPETHSL DNRRTLMLLA QMSRISPSSC LMDRHDFGFP QEEFDGNQFQ KAPAISVLHE LIQQIFNLFT
TKDSSAAWDE DLLDKFCTEL YQQLNDLEAC VMQEERVGET PLMNADSILA VKKYFRITL YLTEKKYSPC
AWEVVRAEIM RSLSLSTNLQ ERLRRKE.

Biological Activity:

The specific activity as determined in a viral resistance assay viral resistance assay was found to be 100,000,000IU/ mg.