

Interferon-alpha 2a Human Recombinant, HEK

Item Number	rAP-0446
Synonyms	Leukocyte interferon, B cell interferon, Type I interferon, IFNA2, IFN-a 2a.
Description	IFN-a 2a Human Recombinant produced in HEK cells is a glycosylated monomer, having a total molecular weight of 16kDa. The IFN-a 2a is purified by proprietary chromatographic techniques.
Uniprot Accesion Number	P01563
Amino Acid Sequence	
Source	HEK.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized IFN-a 2a although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IFN-a 2a 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.
Formulation and Purity	The IFN-a 2a was lyophilized from 1mg/ml in 1xPBS. Greater than 95% as observed by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized IFN-a 2a in sterile water not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The specific activity was determined by the dose-dependent cytotoxicity of the human TF-1 cell line (human erythroleukemic indicator cell line) and is typically 0.1-0.4ng/ml.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**