

IFN-alpha 2b/IFNA2 Protein, Human (HEK293, Fc)

Cat. No.:	HY-P78672
Synonyms:	IFN-alpha 2b; IFNA2B; IFN-alpha 2 (alpha 2b); interferon alpha 2b
Species:	Human
Source:	HEK293
Accession:	P01563 (C24-E188)
Gene ID:	3440
Molecular Weight:	45-55 kDa

PROPERTIES

AA Sequence	<p> CDLPQTHSLG SRRTLMLLAQ MRRISLFSCL KDRHDFGFPQ EEFGNQFQKA ETIPVLHEMI QQIFNLFSTK DSSAAWDETL LDKFYTELYQ QLNDLEACVI QGVGVTEPL MKEDSILAVR KYFQRITLYL KEKKYSPCAW EVVRAEIMRS FSLSTNLQES LRSKE </p>
Biological Activity	Measured by a cytotoxicity assay using TF-1 Cells. The ED ₅₀ this effect is 23.61 pg/mL, corresponding to a specific activity is 4.235 ×10 ⁷ units/mg.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	IFN-alpha 2a, Human, is a cytokine primarily produced by macrophages, exhibiting robust antiviral activities. Its interaction with IFNAR2 plays a pivotal role in mediating essential signaling pathways, contributing to the intricate defense mechanisms against viral infections.
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Caution: Product has not been fully validated for medical applications. For research use only.

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