

Animal-Free IFN alpha 1a Protein, Mouse (His)

Cat. No.:	HY-P700183AF
Synonyms:	Leukocyte Interferon; IFNA2; B cell Interferon; Type I Interferon
Species:	Mouse
Source:	E. coli
Accession:	P01572 (C24-K189)
Gene ID:	111654
Molecular Weight:	Approximately 19.93 kDa

PROPERTIES

AA Sequence	<p> C D L P Q T H N L R N K R A L T L L V Q M R R L S P L S C L K D R K D F G F P Q E K V D A Q Q I K K A Q A I P V L S E L T Q Q I L N I F T S K D S S A A W N T T L L D S F C N D L H Q Q L N D L Q G C L M Q Q V G V Q E F P L T Q E D A L L A V R K Y F H R I T V Y L R E K K H S P C A W E V V R A E V W R A L S S S A N V L G R L R E E K </p>
Biological Activity	Measure by its ability to protect L929 cells infected with encephalomyocarditis (EMC) virus. The ED ₅₀ for this effect is <10 pg/mL. The specific activity of recombinant mouse IFN alpha 1a is >4 x10 ⁷ IU/mg.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a solution containing 1X PBS, pH 7.4.
Endotoxin Level	<0.1 EU per 1 µg of the protein by the LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
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 1a Protein, synthesized by macrophages, possesses potent antiviral activities. Its primary role involves the stimulation of two pivotal enzymes—a protein kinase and an oligoadenylate synthetase. This orchestrated molecular response plays a crucial part in enhancing the host's immune defenses against viral threats.
-------------------	---

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA