

## IFN-alpha 2/IFNA2 Protein, Mouse (His)

<b>Cat. No.:</b>	HY-P7544A
<b>Synonyms:</b>	Interferon alpha 2; IFNA2 Protein, Mouse
<b>Species:</b>	Mouse
<b>Source:</b>	E. coli
<b>Accession:</b>	P01573 (C24-E190)
<b>Gene ID:</b>	15965
<b>Molecular Weight:</b>	Approximately 20 kDa

### PROPERTIES

<b>AA Sequence</b>	<p>           CDLPHTYNLR    NKRALKVL AQ    MRRLPFLSCL    KDRQDFGFPL            EKVDNQQIQK    AQAIPVLRDL    TQQT LNLFTS    KASSAAWNAT            LLDSFCNDLH    QQLNDLQTCL    MQQVGVQEP P    LTQEDALLAV            RKYFHRITVY    LREKKHSPCA    WEVVRAEVWR    ALSSSVNLLP            RLSE EKE         </p>
<b>Biological Activity</b>	Measured in a cytotoxicity assay using TF-1 human erythroleukemic cells. The ED <sub>50</sub> this effect is 0.7778 ng/mL, corresponding to a specific activity is 1.286 × 10 <sup>6</sup> units/mg.
<b>Appearance</b>	Lyophilized powder.
<b>Formulation</b>	Lyophilized from a 0.2 μm filtered solution of 50 mM Tris-HCL, 300 mM NaCl, pH 7.4.
<b>Endotoxin Level</b>	<1 EU/μg, determined by LAL method.
<b>Reconstitution</b>	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH <sub>2</sub> O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
<b>Storage &amp; Stability</b>	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.
<b>Shipping</b>	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

<b>Background</b>	IFN-alpha 2/IFNA2, synthesized primarily by macrophages, possesses potent antiviral activities. Through its interaction with IFNAR2, it engages in crucial signaling processes, contributing to the intricate network of antiviral defense mechanisms.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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