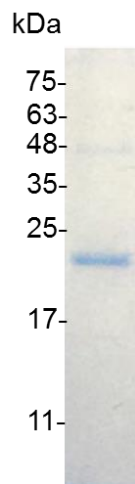


IFN alpha 1a (Interferon alpha 1a), Mouse

v. 231101

Catalog number	C02053-5UG / C02053-20UG / C02053-100UG
Package	5 µg / 20 µg / 100 µg
Description	Interferon alpha-1 or interferon alpha-D, encoded by the human IFNA1 gene, is a member of the type I interferon family. It is expressed in peripheral blood leukocytes and lymphoblastoid cells. There are four highly conserved cysteine residues which form two disulfide bonds. One bond is a necessity for biological activity, which plays a critical role in conducting non-specific resistance against a variety of viral infections, and regulation of cell proliferation and modulates immune responses.
Source	<i>Escherichia coli</i>
Sequence	CDLPQTHNLRNKRAL TLLVQMRRLSPLSCLKDRKDFGFPQEKVDAQQIKKAQAI PVLSELTQQILNIFTSKDSSAAWNTLLDSFCNDLHQQLNDLQGCLMQQVG VQ EFPLTQEDALLAVRKYFHRITVYLREKKHSPCAWEVVRAEVWRALSSSANVLG RLREEK with polyhistidine tag at the N-terminus
Endotoxin level	<0.1 EU per 1 µg of the protein by the LAL method.
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 x 10 ⁷ IU/mg.
Purity	>98% as determined by SDS-PAGE.
Form	Lyophilized
Storage Buffer	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Stability & Storage	This product is stable after storage at: <ul style="list-style-type: none"> • -20°C for 12 months in lyophilized state from date of receipt. • -20°C or -80°C for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.



SDS-PAGE analysis of recombinant mouse IFN alpha 1a

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