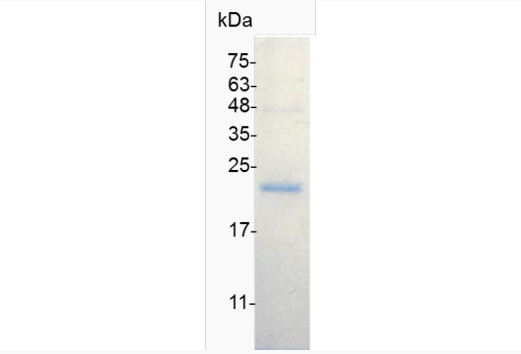
Active Recombinant Mouse IFN alpha 1a Protein, His-Tagged

Cat. No. IFN alpha 1a-01M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse IFN alpha 1a Protein, His-tagged was expressed in E. coli cell
Species	Mouse
Source	E.coli
Description	Interferon alpha-1 or interferon alpha-D, encoded by the human IFNA1gene, 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 an critical role in conducting non-specific resistance against a variety of viral infections, and regulation of cell proliferation and modulates immune responses.
Form	Lyophilized powder
AA Sequence	CDLPQTHNLRNKRALTLLVQMRRLSPLSCLKDRKDFGFPQEKVDAQQIKKAQAIPVL SELTQQILNIFTSKDSSAAWNTTLLDSFCNDLHQQ LNDLQGCLMQQVGVQEFPLTQEDALLAVRKYFHRITVYLREKKHSPCAWEVVRAEV WRALSSSANVLGRLREEK with polyhistidine tag at the N-terminus
Endotoxin	<0.1 EU per 1 μg of the protein by the LAL method.
Bio-activity	Measure by its ability to protect L929 cells infected with encephalomyocarditis (EMC) virus. The ED50 for this effect is <10 pg/mL. The specific activity of recombinant mouse IFN alpha 1a is > 4 x 10^7 IU/mg.

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Purity	>98% as determined by SDS-PAGE. Ni-NTA chromatography
Storage Buffer	The protein was lyophilized from a solution containing 1X PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 100 μg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Storage	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
Notes	Please use within one month after protein reconstitution.
	

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