

Active Recombinant Mouse Ifna1 Protein (Cys24-Lys189), N-His tagged, Animal-free, Carrier-free

Cat. No. Ifna1-40M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Ifna1 Protein (Cys24-Lys189) with N-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Mouse
Source	E.coli
ProteinLength	Cys24-Lys189
Description	Interferon Alpha 1a (IFN alpha 1a) is a leukocyte interferon, which is a variant of Interferon-alpha. IFN-alpha 1a is a 18.4 kDa protein containing 166 amino acid residues. It could bind the interferon receptors that activates the signal transduction of immune responses through the Jak/STAT pathway in leukocytes and lymphoblastoid cells.
Form	Lyophilized
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 × 10 ⁷ IU/mg.
Molecular Mass	The protein has a calculated MW of 19.93 kDa. The protein migrates as 17-25 kDa under reducing condition (SDS-PAGE analysis).

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Endotoxin	< 0.1 EU/μg of the protein by the LAL method.
Purity	>98% as determined by SDS-PAGE analysis.
Storage	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
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.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

GENE INFORMATION

Gene Name	Ifna1 interferon alpha 1 [Mus musculus (house mouse)]
Official Symbol	Ifna1
Synonyms	IFNA1; interferon alpha 1; interferon alpha-1; IFN-alpha-1; interferon alpha family gene 1; Ifa1;
Gene ID	15962
mRNA Refseq	NM_010502

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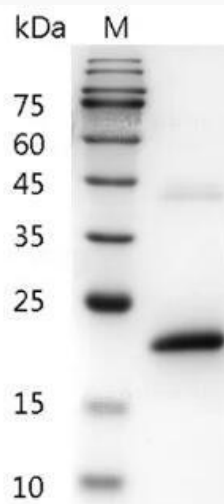
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Protein Refseq NP_034632

UniProt ID P01572

SDS-PAGE analysis
of recombinant
mouse IFN Alpha 1a.



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