Active Recombinant Mouse Ifna1 protein, His-tagged

Cat. No. Ifna1-1026M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Ifna1 protein(Cys 24 - Lys 189), fused with His tag, was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	24-189 a.a.
Form	Lyophilized from 0.22 μm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Loaded Mouse IFN-alpha 1, His Tag on HIS1K Biosensor, can bind Human IFNAR1, Fc Tag with an affinity constant of 0.17 μM as determined in BLI assay (ForteBio Octet Red96e).Loaded Mouse IFN-alpha 1, His Tag on HIS1K Biosensor, can bind Human IFNAR2, Fc Tag with an affinity constant of 1.0 μM as determined in BLI assay (ForteBio Octet Red96e).
Molecular Mass	This protein carries a polyhistidine tag at the C-terminus.The protein has a calculated MW of 21.0 kDa. The protein migrates as 24-27 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Proteinlength	Cys24-Lys189
Endotoxin	Less than 1.0 EU per μg by the LAL method.

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Purity	>90% as determined by SDS-PAGE.
Storage	For long term, the product should be stored at lyophilized state at -20°C or lower.Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	Ifna1 interferon alpha 1 [Mus musculus]
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
Protein Refseq	NP_034632

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