

Active Recombinant Mouse Ifna2 protein(Cys24-Glu190), hFc-tagged

Cat. No. Ifna2-89M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse IFNA2 (P01573?) (Cys 24-Glu 190) was expressed in HEK293, fused with the Fc region of Human IgG1 at the N-terminus.
Species	Mouse
Source	HEK293
ProteinLength	Cys24-Glu190
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	1. Measured in antiviral assays using L929 cells infected with vesicular stomatitisvirus (VSV). The ED50 for this effect is 1-8 ng/mL. 2. Immobilized Mouse IFNAR1 His at 2 µg/mL (100 µL/well) can bind Mouse Interferon alpha 2/IFNA2 hFc, the EC50 of Mouse Interferon alpha 2/IFNA2 hFc is 10-80 ng/mL.
Molecular Mass	The recombinant mouse IFNA2/Fc is a disulfide-linked homodimer. The reduced monomer comprises 427 amino acids and has a calculated molecular mass of 47.8 kDa. The apparent molecular mass of the monomer is approximately 52 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.

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Purity	> 88 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
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	Ifna2 interferon alpha 2 [Mus musculus]
Official Symbol	Ifna2
Synonyms	IFNA2; interferon alpha 2; interferon alpha-2; IFN-alpha-2; interferon alpha family, gene 2; Ifa2;
Gene ID	15965
mRNA Refseq	NM_010503
Protein Refseq	NP_034633

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