

Recombinant Rat IFNA1 protein(Met1-Ser192), hFc-tagged

Cat. No. IFNA1-2349R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat IFNA1 (P05011) (Met 1-Ser 192) was expressed in HEK293, fused with the Fc region of Human IgG1 at the C-terminus.
Species	Rat
Source	HEK293
ProteinLength	Met1-Ser192
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	Measured in antiviral assay using L929 cells infected with vesicular stomatitisvirus (VSV). The ED50 for this effect is 1-10 µg/mL.
Molecular Mass	The recombinant rat IFNA1/Fc is a disulfide-linked homodimer. The reduced monomer comprises 410 amino acids and predicts a molecular mass of 46.4 kDa. The apparent molecular mass of the rat IFNA1/Fc monomer is approximately 50 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 90 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C.

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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	Ifna1 interferon-alpha 1 [Rattus norvegicus]
Official Symbol	IFNA1
Synonyms	IFNA1; interferon-alpha 1; interferon alpha-1; IFN-alpha1;
Gene ID	298210
mRNA Refseq	NM_001014786
Protein Refseq	NP_001014786

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