

Active Recombinant Rat IFNA1 Protein, Fc-tagged

Cat. No. IFNA1-1087R Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant rat IFNA1 (P05011) (Met 1-Ser 192) was fused with the Fc region of human IgG1 at the C-terminus.
Species	Rat
Source	HEK293
ProteinLength	1-192 a.a.
Predicted N Terminal	Cys 24
Form	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
Bio-activity	Measured in antiviral assays 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.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	Store it under sterile conditions at -20°C~-70°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 0.25 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
MIM	
UniProt ID	
Pathway	Autoimmune thyroid disease, organism-specific biosystem; Autoimmune thyroid disease, conserved biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Cytosolic DNA-sensi
Function	cytokine activity; cytokine receptor binding;

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