

Active Glycosylated Recombinant Mouse Ifna4 Protein

Cat. No. Ifna4-053M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	IFN-α4 is a subtype of IFN-α, which contains 5 cysteines that form two pairs of intrachain disulfide bonds. It is a glycosylated protein expressed in yeast.
Species	Mouse
Source	Yeast
Description	Predicted to enable cytokine activity and type I interferon receptor binding activity. Acts upstream of or within defense response to virus and natural killer cell activation involved in immune response. Located in extracellular space. Human ortholog(s) of this gene implicated in Crimean-Congo hemorrhagic fever; common cold; hepatitis B; liver disease (multiple); and sarcoidosis. Orthologous to several human genes including IFNA1 (interferon alpha 1); IFNA13 (interferon alpha 13); and IFNA14 (interferon alpha 14).
Form	Sterile lyophilized powder
Molecular Mass	18-24 kDa
Bio-activity	Specific activity is determined by an L929/EMCV cytopathic-effect inhibition assay, and is $\geq 8.0 \times 10^7$ IU/mg.
Endotoxin	<1 EU/μg determined by LAL.
Purity	≥97%

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Storage	Lyophilized samples remain stable for more than 6 months from the date of receipt when stored at –20 to –70 centigrade. Avoid repeated freeze–thaw cycles.
Storage Buffer	This product is supplied as a sterile lyophilized powder in a buffer of PBS, pH7.4, 0.1% HSA.
Reconstitution	Before opening the vial, centrifuge at 10, 000 rpm for 30–60 seconds, or at 3, 000 rpm for 5 minutes, then reconstitute with 0.2 mL of sterile water.

GENE INFORMATION

Gene Name	Ifna4 interferon alpha 4 [Mus musculus (house mouse)]
Official Symbol	Ifna4
Synonyms	Ifna4; interferon alpha 4; Ifa4; If1ai13; interferon alpha-4; IFN-alpha-4; MuIFN-alpha 4; interferon 1ai13; interferon alpha family, gene 4
Gene ID	15967
mRNA Refseq	NM_010504
Protein Refseq	NP_034634
UniProt ID	P07351