

Active Recombinant Mouse Ifnk Protein

Cat. No. Ifnk-01M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse IFN-kappa Protein (Leu22-Lys199) without tag was expressed in Mouse myeloma cell line.
Species	Mouse
Source	NS0
ProteinLength	22-199 a.a.
Description	Predicted to enable cytokine activity and type I interferon receptor binding activity. Predicted to be involved in several processes, including B cell activation; lymphocyte activation involved in immune response; and positive regulation of peptidyl-serine phosphorylation of STAT protein. Predicted to act upstream of or within defense response to virus. Predicted to be located in extracellular region. Predicted to be active in extracellular space. Is expressed in alimentary system; brain; genitourinary system; and skin. Orthologous to human IFNK (interferon kappa).
Bio-activity	Measured in an anti-viral assay using L-929 mouse fibroblast cells infected with encephalomyocarditis (EMC) virus. The ED50 for this effect is 0.2-1.2 ng/mL.
Molecular Mass	Predicted Molecular Mass: 21 kDa SDS-PAGE: 19-22 kDa, reducing conditions
N-terminal Sequence Analysis	Leu22

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Endotoxin	<0.10 EU per 1 µg of the protein by the LAL method.
Purity	>95%, by SDS-PAGE with silver staining.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Storage Buffer	Lyophilized from a 0.2 µm filtered solution in Sodium Acetate, NaCl and EDTA with BSA as a carrier protein.
Reconstitution	Reconstitute at 200 µg/mL in sterile water.
Shipping	The product is shipped at ambient temperature.

GENE INFORMATION

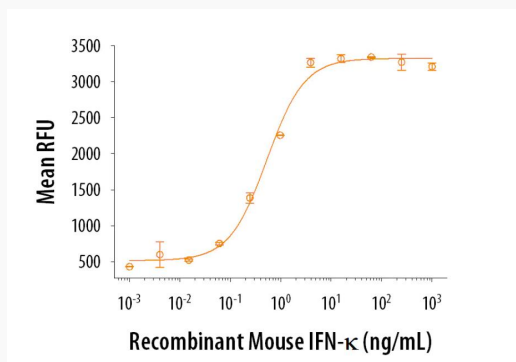
Gene Name	Ifnk interferon kappa [Mus musculus (house mouse)]
Official Symbol	Ifnk
Synonyms	Ifnk; interferon kappa; If1fa; interferon kappa; IFN-kappa; interferon 1fa
Gene ID	387510
mRNA Refseq	NM_199157
Protein Refseq	NP_954608
UniProt ID	Q7TSL0

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**Recombinant Mouse
IFN-kappa Protein
Bioactivity**



Recombinant Mouse IFN-kappa exhibits anti-viral activity in L-929 mouse fibroblast cells infected with encephalomyocarditis (EMC) virus. The ED50 for this effect is 0.2-1.2 ng/mL.

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