

Recombinant Mouse IFNB1 Protein

Cat. No. IFNB1-496M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse IFNB1 protein
Species	Mouse
ProteinLength	182
Description	Enables cytokine activity and type I interferon receptor binding activity. Involved in B cell proliferation; cellular response to virus; and type I interferon signaling pathway. Acts upstream of or within several processes, including cellular response to organic cyclic compound; defense response to other organism; and negative regulation of osteoclast differentiation. Located in extracellular space. Is expressed in embryo and liver. Human ortholog(s) of this gene implicated in COVID-19. Orthologous to human IFNB1 (interferon beta 1).
Form	Lyophilized
AA Sequence	MNNRWILHAAFLLCFSTTALSINYKQLQLQERTNIRKCQELLEQLNGKINLTyrADFKI PMEMTEKMQKSYTAFAIQEMLQNVFLVFRNNFSSTGWNETIVVRLLDLHQQTVFL KTVLEEKQEERLTWEMSSTALHLKSYWVRVQRYLKLMKYNSYAWMVVRAEIFRNFL IIRRLTRNFQN
Purity	> 98%
Applications	WB; ELISA; FACS; FC

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Stability	This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.
Storage	At -20 centigrade.
Storage Buffer	PBS (pH 7.4-7.5). Sterile-filtered colorless solution.
Reconstitution	Reconstitute in sterile distilled H2O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

GENE INFORMATION

Gene Name	<i>ifnb1</i> interferon beta 1, fibroblast [<i>Mus musculus</i> (house mouse)]
Official Symbol	IFNB1
Synonyms	IFNB1; interferon beta 1, fibroblast; interferon beta; Ifb; IFNB; IFN-beta;
Gene ID	15977
mRNA Refseq	NM_010510
Protein Refseq	NP_034640
UniProt ID	P01575

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