

Datasheet for ABIN934620 **IFNB1 Protein**



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Overview

Quantity:	100000 units
Target:	IFNB1
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Characteristics:	Purified recombinant Human IFN beta protein Expression System: E.coli Bioactivity: The EC50 for interferon in a cytopathic effect inhibition assay is ~1 U/mL (Human) and ~5 U/mL (Bovine)
Purity:	> 98 % pure

Target Details

Target:	IFNB1
Alternative Name:	IFN beta (IFNB1 Products)
Background:	Interferons (IFNs) are proteins made and released by host cells in response to the presence of pathogens-such as viruses, bacteria, or parasites-or tumor cells. They allow communication between cells to trigger the protective defenses of the immune system that eradicate pathogens or tumors. The IFN-beta proteins are produced in large quantities by fibroblasts. They have antiviral activity which is mainly involved in innate immune response. Two types of

Target Details

IFN-beta have been described, IFN-beta1 (IFNB1) and IFN-beta3 (IFNB3).

Alternative Names: RMMB1 protein, B cell interferon protein, Leukocyte interferon protein, Type I interferon protein, Interferon beta protein

Molecular Weight: 20 kDa

Pathways: [JAK-STAT Signaling](#), [TCR Signaling](#), [TLR Signaling](#), [Regulation of Leukocyte Mediated Immunity](#), [Production of Molecular Mediator of Immune Response](#), [Positive Regulation of Endopeptidase Activity](#), [Hepatitis C](#), [Autophagy](#), [Inflammasome](#)

Application Details

Application Notes: Each Investigator should determine their own optimal working dilution for specific applications.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1000000 U/mL

Buffer: PBS with 0.1 % BSA, and 11 % glycerol.

Handling Advice: Avoid repeated freeze/thaw cycles.

Storage: -80 °C

Storage Comment: Aliquot and store at -70 °C or lower.
