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## Datasheet for ABIN2017995 IFNB1 Protein (AA 22-187)

### Overview

Quantity:	25 µg
Target:	IFNB1
Protein Characteristics:	AA 22-187
Origin:	Human
Source:	HEK-293T Cells
Protein Type:	Recombinant
Biological Activity:	Active

### Product Details

Characteristics:	ED50 < 0.1 ng/mL, measured in a proliferation assay using TF-1 Cells.
Purity:	> 95 % as analyzed by SDS-PAGE.
Endotoxin Level:	< 0.2 EU/µg, determined by LAL method.

### Target Details

Target:	IFNB1
Alternative Name:	Interferon-beta ( <a href="#">IFNB1 Products</a> )
Background:	Interferon-beta (IFN-beta), acting via STAT1 and STAT2, is known to upregulate and downregulate a wide variety of genes, most of which are involved in the antiviral immune response. It is a member of Type I IFNs, which include IFN-alpha, -beta, tau, and omega. IFN-beta plays an important role in inducing non-specific resistance against a broad range of viral infections. It also affects cell proliferation and modulates immune responses.

## Target Details

	Synonyms: Leukocyte interferon, B cell interferon, Type I interferon
Molecular Weight:	23 kDa, observed by reducing SDS-PAGE.
UniProt:	<a href="#">P01574</a>
Pathways:	<a href="#">JAK-STAT Signaling</a> , <a href="#">TCR Signaling</a> , <a href="#">TLR Signaling</a> , <a href="#">Regulation of Leukocyte Mediated Immunity</a> , <a href="#">Production of Molecular Mediator of Immune Response</a> , <a href="#">Positive Regulation of Endopeptidase Activity</a> , <a href="#">Hepatitis C</a> , <a href="#">Autophagy</a> , <a href="#">Inflammasome</a>

## Application Details

Restrictions:	For Research Use only
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## Handling

Format:	Lyophilized
Reconstitution:	Reconstituted in ddH2O or PBS at 100 µg/mL.
Buffer:	Lyophilized after extensive dialysis against PBS.
Storage:	-80 °C
Storage Comment:	Lyophilized recombinant Human Interferon-beta remains stable up to 6 months at -80 °C from date of receipt. Upon reconstitution, Human Interferon-beta should be stable up to 1 week at 4 °C or up to 2 months at -20 °C.
Expiry Date:	6 months