

# Product Information

## MemDX™ Membrane Protein Human IFNB1 (Interferon beta 1) for Antibody Discovery

Cat. No.: **MP0042Q**

This product is for research use only and is not intended for diagnostic use.

This product is a 20 kDa Human IFNB1 membrane protein expressed in CHO. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

### Product Specifications

#### Host Species

Human

#### Target Protein

IFNB1

#### Protein Length

Partial

#### Protein Class

Druggable Genome, Secreted Protein, Transmembrane

#### Molecular Weight

20 kDa

#### Sequence

MSYNLLGFLQRSSNFQCQKLLWQLNGRLEYCLKDRMNFDIPEEIKQLQQFQKEDAALTIYEMLQNIFAIFRQDSSSTGWNETIVENL

### Product Description

#### Expression Systems

CHO

#### Tag

Tag Free

#### Form

Powder

#### Endotoxin

< 1 EU/μg

#### Purity

>95% as determined by SDS-PAGE and Coomassie blue staining

**Buffer**

0.2 µM filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2

**Storage**

Store at +4°C for up to one week or several months at -80°C

**Target****Target Protein**

IFNB1

**Full Name**

Interferon beta 1

**Introduction**

This gene encodes a cytokine that belongs to the interferon family of signaling proteins, which are released as part of the innate immune response to pathogens. The protein encoded by this gene belongs to the type I class of interferons, which are important for defense against viral infections. In addition, type I interferons are involved in cell differentiation and anti-tumor defenses. Following secretion in response to a pathogen, type I interferons bind a homologous receptor complex and induce transcription of genes such as those encoding inflammatory cytokines and chemokines. Overactivation of type I interferon secretion is linked to autoimmune diseases. Mice deficient for this gene display several phenotypes including defects in B cell maturation and increased susceptibility to viral infection.

**Alternative Names**

IFB; IFF; IFN-beta; IFNB; interferon beta; fibroblast interferon; interferon, beta 1, fibroblast; interferon-beta

**Gene ID**

[3456](#)

**UniProt ID**

[P01574](#)