

Datasheet for ABIN1095642

**IFNB1 Protein (AA 22-187, full length) (GST tag)**[Go to Product page](#)**1** Image**2** Publications

## Overview

Quantity:	100 µg
Target:	IFNB1
Protein Characteristics:	AA 22-187, full length
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This IFNB1 protein is labelled with GST tag.
Application:	ELISA

## Product Details

Sequence:	MSYNLLGFLQ RSSNFQCQKL LWQLNGRLEY CLKDRMNFDI PEEIKQLQQF QKEDAALTIY EMLQNIFAIF RQDSSSTGWN ETIVENLLAN VYHQINHLKT VLEEKLEKED FTRGKLMSSL HLKRYYYGRIL HYLKAKEYSH CAWTIVRVEI LRNFYFINRL TGYLRN
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time.
Purity:	90 %

## Target Details

Target:	IFNB1
Alternative Name:	Interferon beta protein ( <a href="#">IFNB1 Products</a> )
Background:	Has antiviral, antibacterial and anticancer activities.

## Target Details

Molecular Weight:	47.4 kD
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

Comment:	The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modiflicated such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.
Restrictions:	For Research Use only

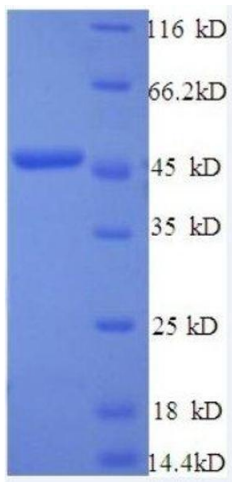
## Handling

Format:	Lyophilized
Concentration:	0.2-2 mg/mL
Buffer:	Tris-based buffer, 50 % glycerol
Handling Advice:	Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week
Storage:	-20 °C
Storage Comment:	Store at -20 °C for extended storage, conserve at -20 °C or -80 °C

## Publications

Product cited in:	Ohno, Taniguchi: "Structure of a chromosomal gene for human interferon beta." in: <b>Proceedings of the National Academy of Sciences of the United States of America</b> , Vol. 78, Issue 9, pp. 5305-9, (2010) ( <a href="#">PubMed</a> ).
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Lawn, Adelman, Franke, Houck, Gross, Najarian, Goeddel: "Human fibroblast interferon gene lacks introns." in: **Nucleic acids research**, Vol. 9, Issue 5, pp. 1045-52, (1981) ([PubMed](#)).



**SDS-PAGE**

**Image 1.** Interferon, beta 1, Fibroblast (IFNB1) (AA 22-187), (full length) protein (GST tag)