

Bioactive

IFNB1 (Human) Recombinant Protein

Catalog # P3623

Size 20 ug

Specification

Product Description	Human IFNB1 (P01574, 22 a.a. - 187 a.a.) partial recombinant protein expressed in CHO cells.
Sequence	MSYNLLGFLQRSSNFQCQKLLWQLNGRLEYCLKDRMNFDIPEEIKQLQQFQKEDAALTIYEMLQNI FAIFRQDSSSTGWNETHVENLLANVYHQINHLKTVLEEKLEKEDFTRGKLMSSLHLKRYYGRIHLHYLK AKEYSHCAWTIVRVEILRNIFYINRLTGYLRN
Host	Mammals
Theoretical MW (kDa)	19
Form	Lyophilized
Preparation Method	Mammalian cell (CHO) expression system
Purification	Ion exchange column and HPLC reverse phase column
Purity	> 90% by SDS-PAGE and HPLC
Endotoxin Level	< 0.1 ng/ug (1 EU/ug)
Activity	The activity was determined by the viral resistance assay of Human WISH cells was found to be in the range of 3×10^8 IU/mg.
Storage Buffer	Lyophilized from sodium acetate solution pH 4.8
Storage Instruction	Store at -20°C on dry atmosphere for 2 years. After reconstitution with deionized water, store at 4°C for 1 month or store at -20°C for 6 months. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study
- SDS-PAGE

Gene Info — IFNB1

Entrez GeneID	3456
Protein Accession#	P01574
Gene Name	IFNB1
Gene Alias	IFB, IFF, IFNB, MGC96956
Gene Description	interferon, beta 1, fibroblast
Omim ID	147640
Gene Ontology	Hyperlink
Gene Summary	beta 1
Other Designations	OTTHUMP00000021131 interferon beta

Publication Reference

- [A fully human monoclonal antibody with novel binding epitope and excellent neutralizing activity to multiple human IFN- \$\alpha\$ subtypes: a candidate therapy for systemic lupus erythematosus.](#)

Du P, Xu L, Qiu W, Zeng D, Yue J, Wang S, Huang P, Sun Z.

MAbs 2015 Sep; 7(5):969.

Application: Func, Purified AIA22

Pathway

- [Cytokine-cytokine receptor interaction](#)
- [Jak-STAT signaling pathway](#)
- [Natural killer cell mediated cytotoxicity](#)
- [Toll-like receptor signaling pathway](#)

Disease

- [Arthritis](#)
- [Autoimmune Diseases](#)
- [Cardiovascular Diseases](#)
- [Celiac Disease](#)
- [Communicable Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hepatitis C](#)
- [Malaria](#)
- [Measles](#)
- [Multiple Sclerosis](#)
- [Mumps](#)
- [Osteoporosis](#)
- [Rubella](#)
- [Sarcoidosis](#)
- [Severe Acute Respiratory Syndrome](#)