

Recombinant Pig IFNB1 Protein, His-tagged

Cat. No. IFNB1-979P **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Pig IFNB1 Protein (Met22-Asn186) with His tag was expressed in E. coli.
Species	Pig
Source	E.coli
ProteinLength	Met22-Asn186
Description	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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 23.3 kDa; Accurate Molecular Mass: 23 kDa
Purity	> 97%

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

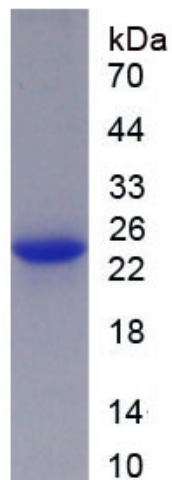
GENE INFORMATION

Gene Name	IFNB1 interferon beta [<i>Sus scrofa</i> (pig)]
Official Symbol	IFNB1
Synonyms	IFNB1; interferon beta; interferon-beta; IFNb; IFN-beta;
Gene ID	445459
mRNA Refseq	NM_001003923
Protein Refseq	NP_001003923
UniProt ID	Q29412

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