

Active Recombinant Swine Interferon Beta

Cat. No. IFNB1-66S **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Swine IFN beta was expressed in Yeast. MW= 19.5 kDa (164 aa).
Species	Pig
Source	Yeast
Description	Interferon beta is a protein that in humans is encoded by the IFNB1 gene.
Formulation/ Reconstitution	Lyophilized. Reconstitute with sterile phosphate-buffered saline containing at least 0.1% carrier protein.
Purification	Ion-exchange chromatography.
Purity	>95% as visualized by SDS-PAGE analysis.
Amino Acid Sequence	SYDVLRYQQR SSNLACQKLL GQLPGTPQYC LEDRMNFEVP EEIMQPPQFQ KEDAVLIHE MLQQIFGILR RNFSSTGWNE TVIKTILVEL DGQMDDLETI LEEIMEEENF PRGDMTILHL KKYLSILQY LKSKEYRSCA WTVVQVEILR NFSFLNRLTD YLRN.
Bioactivity	The biological activity of recombinant swine IFN beta was determined using MDBK cells in a cat-reporter assay. Bioactivity was detected at doses as low as 10 ng/mL.
Stability And Storage	Stable for up to twelve months from date of receipt at -20°C. Stable for at least 3 months when stored in working aliquots with a carrier protein at -20°C. Avoid

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repeated freeze/thaw cycles.

GENE INFORMATION

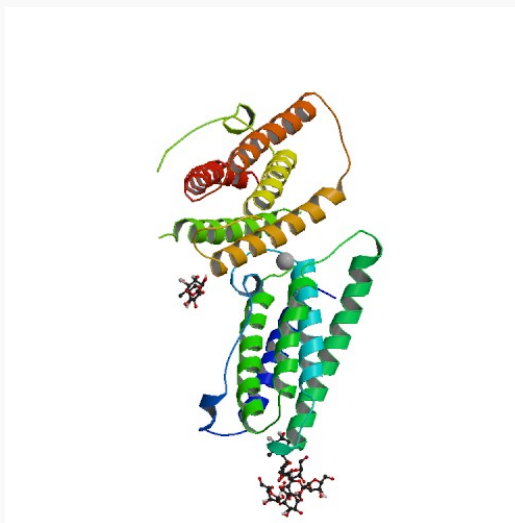
Gene Name	IFNB1 interferon beta [<i>Sus scrofa</i>]
Synonyms	interferon beta; IFNB1; IFNb; IFN-beta; interferon-beta
Gene ID	445459
mRNA Refseq	NM_001003923.1
Protein Refseq	NP_001003923.1
Chromosome Location	1q23-q27
Pathway	Cytokine-cytokine receptor interaction; Cytosolic DNA-sensing pathway; Jak-STAT signaling pathway; Natural killer cell mediated cytotoxicity; RIG-I-like receptor signaling pathway; Toll-like receptor signaling pathway

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