

Product datasheet for **MR226101**

Ifnb1 (NM_010510) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ifnb1 (NM_010510) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ifnb1
Synonyms: Ifb; IFN-beta; IFNB
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR226101 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACAACAGGTGGATCCTCCACGCTGCGTTCCTGCTGTGCTTCTCCACCACAGCCCTCTCCATCAACT
ATAAGCAGCTCCAGCTCCAAGAAAGGACGAACATTCGAAATGTCAGGAGCTCCTGGAGCAGCTGAATGG
AAAGATCAACCTCACCTACAGGGCGGACTTCAAGATCCCTATGGAGATGACGGAGAAGATGCAGAAGAGT
TACTGCTTTGCCATCAAGAGATGCTCCAGAATGTCTTTCTGTCTTCAGAAACAATTTCTCCAGCA
CTGGGTGGAATGAGACTATTGTTGTACGCTCCTGGATGAACTCCACCAGCAGACAGTGTCTTCTGAAGAC
AGTACTAGAGGAAAAGCAAGAGGAAAGATTGACGTGGGAGATGTCTCAACTGCTCTCCACTTGAAGAGC
TATTACTGGAGGGTGCAAAGGTACCTTAAACTCATGAAGTACAACAGCTACGCCTGGATGGTGGTCCGAG
CAGAGATCTTCAGGAACCTTCTCATCATTCGAAGACTTACCAGAAACTTCCAAAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR226101 protein sequence
Red=Cloning site Green=Tags(s)

MNNRWILHAAFLLCFSTTALSINYKQLQLQERTNIRKQELLEQLNGKINLTYRADFKIPMEMTEKMQKS
YTAFAIQEMLQNVFLVFRNFSSTGWNETIVVRLLELHQQTVFLKTVLEEKQEERLTWEMSSTALHLKS
YYWRVQRYLKLKMKYNSYAWMVVRAEIFRNFLIIRRLTRNFQN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_010510

ORF Size: 549 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_010510.1](#), [NP_034640.1](#)

RefSeq Size: 770 bp

RefSeq ORF: 549 bp

Locus ID: 15977

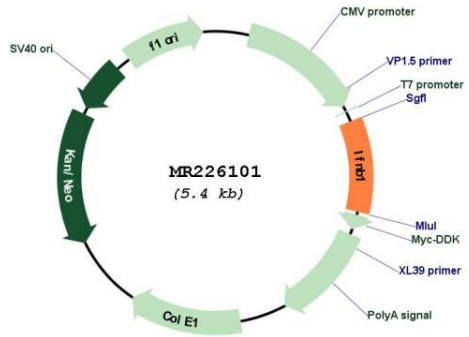
UniProt ID: [P01575](#)

Cytogenetics: 4 41.91 cM

MW: 22.1 kDa

Gene Summary: Has antiviral, antibacterial and anticancer activities.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR226101