

Product datasheet for MR216277

Ifne (NM_177348) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ifne (NM_177348) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ifne
Synonyms: Ifn-tau-1; Ifne1; Ifnt1; Infe1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR216277 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGTTCACAGACAGCTCCCTGAAACGGTGTGCTGCTCTTGGTTTCTTCCACTATCTTCTCCCTAGAAC
 CGAAACGGATTCCTTCCAATTGTGGATGAACAGAGAAAGCCTACAACACTGAAACCTTTGCCAAGCTC
 GTCAGTCCAGCAGTGTCTAGCACACAGGAAGAATTTCTGCTTCCCTCAGCAGCCTGTGAGTCTCACCAG
 TACCAAGAGGGACAGGTGCTGGCTGTTGTGCACGAGATCCTTCAGCAGATCTTCAGCTCCTCCAGACAC
 ATGGGACTATGGGCATTTGGGAGGAAAACCATATAGAAAAAGTCTTAGCTGCGCTTCACCGGCAGCTGGA
 ATACGTGGAGTCACTGGGTGGACTGAACGCAGCGCAGAAGAGTGGGGGCTCGAGTGCGCAGAACCTTAGG
 TTACAGATTAAGCATACTTCAGGAGGATCCACGATTACTTGGAAAACCAAGGTACAGCAGCTGTGCCT
 GGATCATTGTCCAGACAGAAATCCACCGCTGTATGTTCTTTGTGTTTCAGGTTCAACATGGCTGAGCAG
 ACAAGACCCAGACCTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR216277 protein sequence
 Red=Cloning site Green=Tags(s)

MVHRQLPETVLLLLVSSTIFSLPEKRIPFQLWMNRESLQLLKLPLSSSVQQCLAHRKNFLLPQQPVSPHQ
 YQEGQVLAVVHEILQQIFTLQTHGTMGIWEENHIEKVLAAALHRQLEYVESLGGLNAAQKSGSSAQNLR
 LQIKAYFRRIHIDYLENQRYSSCAWIIVQTEIHRMFFVFRFTTWLSRQDPDP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_177348

ORF Size: 579 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_177348.2](#), [NP_796322.1](#)

RefSeq Size: 664 bp

RefSeq ORF: 579 bp

Locus ID: 230405

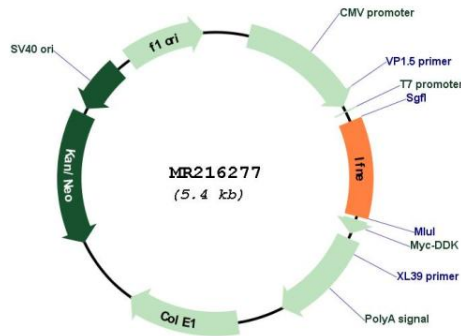
UniProt ID: [Q80ZF2](#)

Cytogenetics: 4 42.04 cM

MW: 22.4 kDa

Gene Summary: Type I interferon required for maintaining basal levels of IFN-regulated genes, including 2'-5'-oligoadenylate synthetase, IRF7 and ISG15, in the female reproductive tract. Directly mediates protection against viral, including HSV-2, and bacterial, including Chlamydia muridarum, genital infections.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR216277