

## Product datasheet for **MR220725**

### Ifna13 (NM\_177347) Mouse Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
Product Name: Ifna13 (NM\_177347) Mouse Tagged ORF Clone  
Tag: Myc-DDK  
Symbol: Ifna13  
Mammalian Cell Selection: Neomycin  
Vector: pCMV6-Entry (PS100001)  
E. coli Selection: Kanamycin (25 ug/mL)  
ORF Nucleotide Sequence: >MR220725 representing NM\_177347  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTAGGCCTTGTGCTTTCCTGATGGTTTTGGTGGTGTGAGCTACTGGTCAGCCTGCTCTAGGAT  
GTGACCTGCCTCAGACTCATAACCTCAGGAACAAGAGAGCCTTGACTCTCCTGGAACAAATGAGGAGACT  
CTCCCCCTTTTCTGTCTGAAGGACAGAAAGGACTTTGGATTCCACAGGAGAAGGTGGATGCCAGCAG  
ATCAAGAAGGCTCAAGCCATCCCTTTTGTTCATGAGCTGACCCAGCAGATCCTGACCCTTTCACATCAA  
ATGACTCATCTGCTGCATGGAATGCAACCCTCCTAGACTCATTGCAATGACCTCCATCAGCAGCTCAA  
TGACCTCAAAGCTTGTCTGATGCAGCAGGTTGGGGTGCAGGAATTTCCCTGACCCAGGAAGACTCCCTG  
CTGGCTGTGAGGAAATACTCCACAGCATCACTGTGTACCTGAGAGAGAAGAAACACAGCCCTGTGCCT  
GGGAGGTGGTCAGAGCAGAAGTCCAGAGAACCCTGTCTTCTCAGCCAATTGCTGGCAAGACTGAGCAA  
GGAGGAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR220725 representing NM\_177347  
Red=Cloning site Green=Tags(s)

MARPCAFMLVLLVLSYWSACSLGCDLPQTHNLRNKRALTLLEQMRRLSPLSCLKDRKDFGFPQEKVDAQQ  
IKKAQAIPFVHEL TQQILTFTSNDSSAAWNATLLDSFCNDLHQQLNDLKAQLMQQVGVQEFPLTQEDSL  
LAVRKYFHSITVYLREKKHSPCAWEVVRAEVQRTLSSSANLLARLSKEE

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: [https://cdn.origene.com/chromatograms/mm9007\\_a03.zip](https://cdn.origene.com/chromatograms/mm9007_a03.zip)



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM\_177347

ORF Size: 567 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\\_177347.2](#), [NP\\_796321.1](#)

RefSeq Size: 819 bp

RefSeq ORF: 570 bp

Locus ID: 230396

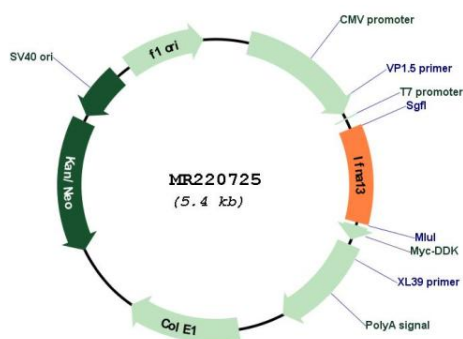
UniProt ID: [Q80SU4](#)

**Cytogenetics:** 4 42.02 cM

**MW:** 22 kDa

**Gene Summary:** Exhibits antiviral activity against Theiler's virus, Mengo virus and vesicular stomatitis virus. Interferons alpha stimulate the production of two enzymes: a protein kinase and an oligoadenylate synthetase.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR220725