

Product datasheet for **RC213048**

IFI6 (NM_022873) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: IFI6 (NM_022873) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: IFI6
Synonyms: 6-16; FAM14C; G1P3; IFI-6-16; IFI616
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC213048 representing NM_022873.
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCGGCAGAAGGCGGTATCGCTTTTCTGTGCTACCTGCTGCTCTTCACTTGCAGTGGGGTGGAGGCA
GGTGAGAATGCGGGTAAGGATGCAGGTAAGAAAAAGTCTCGGAGAGCTCGGACAGCGGCTCCGGGTTC
TGGAAAGCCCTGACCTTCATGGCCGTCGGAGGAGGACTCGCAGTCGCCGGGCTGCCCGGCTGGGCTTC
ACCGGCCCGGCATCGCGCCAACCTCGGTGGCTGCCTCGCTGATGAGCTGGTCTGCGATCCTGAATGGG
GGCGCGTGCCCGCGGGGGCTAGTGGCCACGCTGCAGAGCCTCGGGGCTGGTGGCAGCAGCGTCGTC
ATAGGTAATATTGGTGCCTGATGGGCTACGCCACCCACAAGTATCTCGATAGTGAGGAGGATGAGGAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Protein Sequence: >Peptide sequence encoded by RC213048
Blue=ORF Red=Cloning site Green=Tag(s)

```
MRQKAVSLFLCYLLLF TCSGVEAGENAGKDAGKKKCESSDSGSGFWKALTFMAVGGGLAVAGLPALGF
TGAGIAANSVAASLMSWSAILNGGVVPAGGLVATLQSLGAGSSVIGNIGALMGYATHKYL DSEEDDEE
TRTRPLEQKLISEEDLAANDILDYKDDDDKV
```

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_022873

ORF Size: 414 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_022873.3](#)

RefSeq Size: 836 bp

RefSeq ORF: 417 bp

Locus ID: 2537

UniProt ID: [P09912](#)

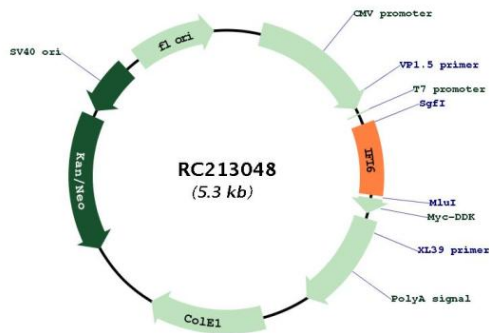
Cytogenetics: 1p35.3

Protein Families: Transmembrane

MW: 13.7 kDa

Gene Summary: This gene was first identified as one of the many genes induced by interferon. The encoded protein may play a critical role in the regulation of apoptosis. A minisatellite that consists of 26 repeats of a 12 nucleotide repeating element resembling the mammalian splice donor consensus sequence begins near the end of the second exon. Alternatively spliced transcript variants that encode different isoforms by using the two downstream repeat units as splice donor sites have been described. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC213048