

## Product datasheet for **SC109251**

### IFI6 (NM\_002038) Human Untagged Clone

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids  |
| Product Name:             | IFI6 (NM_002038) Human Untagged Clone  |
| Tag:                      | Tag Free   |
| Symbol:                   | IFI6   |
| Synonyms:                 | 6-16; FAM14C; G1P3; IFI-6-16; IFI616   |
| Mammalian Cell Selection: | None   |
| Vector:                   | <u>pCMV6-XL5</u>   |
| E. coli Selection:        | Ampicillin (100 ug/mL)   |
| Fully Sequenced ORF:      | >OriGene ORF within SC109251 sequence for NM_002038 edited (data generated by NextGen Sequencing)<br>ATGCGGCAGAAGGCGGTATCGCTTTTCTTGTGCTACCTGCTGCTCTTCACTTGCAGTGGG<br>GTGGAGGCAGGTAAGAAAAGTGCTCGGAGAGCTCGGACAGCGGCTCCGGTTCTGGAAG<br>GCCCTGACCTTCATGGCCGTCGGAGGAGGACTCGCAGTCGCCGGGCTGCCCGCGTGGC<br>TTCACCGGCGCCGCATCGCGGCCAACTCGGTGGCTGCCTCGCTGATGAGCTGGTCTGCG<br>ATCCTGAATGGGGCGGGCGTCCCGCGGGGGGCTAGTGGCCACGCTGCAGAGCCTCGGG<br>GCTGGTGGCAGCAGCGTCGTCATAGGTAATATTGGTGCCTGATGGGCTACGCCACCCAC<br>AAGTATCTCGATAGTGAGGAGGATGAGGAGTAG |

Clone variation with respect to NM\_002038.3



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|                                     |  |
|-------------------------------------|--|
| <b>5' Read Nucleotide Sequence:</b> | <p>&gt;OriGene 5' read for NM_002038 unedited<br/> TATTTGTATACGACTCACTATAGGCGGCCCGCAATTCGCACGAGGGNGCTGAAGATTG<br/> CTTCTCTTCTCCTCCAAGTCTAGTGACGGAGCCCGCGCGCGGCCACCATGCGGCAG<br/> AAGGCGGTATCGCTTTTCTGTGCTACCTGCTGCTTCACTTGCAGTGGGGTGGAGGCA<br/> GGTAAGAAAAAGTGTCTGGAGAGCTCGGACAGCGGCTCCGGTTCTGGAAGGCCCTGACC<br/> TTCATGGCCGTCGGAGGAGGACTCGCAGTCGCCGGGCTGCCCGCTGGGCTTACCAGG<br/> GCCGGCATCGCGCCAACCTCGGTGGCTGCCTCGCTGATGAGCTGGTCTGCGATCCTGAAT<br/> GGGGCGGCGTGCCTGCCGGGGGCTAGTGGCCACGCTGCAGAGCCTCGGGGCTGGTGGC<br/> AGCAGCGTCGTATAGGTAATATTGGTGCCTGATGGGCTACGCCACCCACAAGTATCTC<br/> GATAGTGAGGAGGATGAGGAGTAGCCAGCAGCTCCAGAACCTTCTTCTTCTTGGCC<br/> TAACTCTCCAGTTAGGATCTAGAACTTTCCTTTTTTTTTTTTTTTTTTTTTTTTTTTGAG<br/> ATGGGTTCTCACTATATTGTCCAGGCTAGAGTGCAGTGGCTATTCACAGATGCGAACATA<br/> GTACACTGCAGCCTCAACTCCTAGCCTCAAGTGATCCTCCTGTCTCAACCTCCCAAGTA<br/> GGATTACAAGCATGCCCCGACGATGCCANAATCCAGAACTTTGTCTACTCTCCCC<br/> ACACCTAGATGTAAAACAGATAAACTTCCCCCNAAAAAAAAAAAAAAAAANNNAANAAAA<br/> AAAAAAAAATAAAAAAAAAAAAAAAAAANAAAAAAAAATAAATAT</p>  |
| <b>3' Read Nucleotide Sequence:</b> | <p>&gt;OriGene 3' read for NM_002038 unedited<br/> TGCTTTCACATCTAGGTTGTTGGGAGAGTGATAGACAAAGTTCTGGATTCTGGGCATCG<br/> TCGGCGCATGCTGTAACTCTACTTGGGAGTTGAGACAGGAGGATCACTTGAGGCTAGG<br/> AGTTGGAGGCTGCAGTGTACTATGTTTCGCATCTGTGAATAGCCACTGCCTCTAGCCTGG<br/> ACAATATAGTGAGAACCCATCTCAAAAAAAAAAAAAAAAAAAAAAAAAAAGGCAAAGTTCTA<br/> GATCCTAACTGGAAGAGTTAGGCCAAGAAGGAAGAAGAGTTCTGGGAGCTGCTGGCTAC<br/> TCCTCATCCTCCTCACTATCGAGATACTTGTGGGTGGCGTAGCCCATCAGGGCACCAATA<br/> TTACCTATGACGACGCTGCTGCCACCAGCCCCGAGGCTCTGCAGCGTGGCCACTAGCCCC<br/> CCGGCGGGCAGCCGTCCCCATTAGGATCGCAGACCAGCTCATCAGCGAGGCAGCCACC<br/> GAGTTGGCCGCGATGCCGGCGCCGTGAAGCCACCGCGGGCAGCCCGGCGACTGCGAGT<br/> CCTCCTCCGACGGCCATGAAAGTCANGGCCCTTTCAGAACCCGGAGCCGCTGTCCGAGTCT<br/> TCCGAGCACTTTTTCTACCTGCCTCACCCACTGCAGTGCAGAGCACCAGTCCCCAAGAA<br/> AGCGATCCGCTCTGCGCATGGGGCGCCGGCGCGGCTCCGTAACACCTGCCAGACAGA<br/> AAAAGAATCTTTACCCCTCGGCCGATTCCCGTCCGCCTAATGGACCGATACAAAATTGAC<br/> GGTACTAAACAGCTTGCTATTAGACCTACCGTCCCCTACGTATTGCGTACGGGCGGGT<br/> ATACACCTTTGAAGTCCGTGATTTGTGCAACAATTATGACGAATGGGTGCATGGAATC<br/> CGGATAACGCTTACCCATGTGTCTGCAACCGTCTGGACGCAGCCATACACATCTGCAC<br/> AGAAGCCAGGCTGTTG</p> |
| <b>Restriction Sites:</b>           | NotI-NotI  |
| <b>ACCN:</b>                        | NM_002038  |
| <b>Insert Size:</b>                 | 830 bp   |
| <b>OTI Disclaimer:</b>              | Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).   |
| <b>Components:</b>                  | 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\\_002038.2](#), [NP\\_002029.3](#)

**RefSeq Size:** 817 bp

**RefSeq ORF:** 393 bp

**Locus ID:** 2537

**UniProt ID:** [P09912](#)

**Cytogenetics:** 1p35.3

**Protein Families:** Transmembrane

**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]  
Transcript Variant: This variant (1) encodes the shortest isoform (a).