

## Product datasheet for **MR207464**

### Irf6 (NM\_016851) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Irf6 (NM_016851) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Irf6
Synonyms:	A1876454; E230028I05Rik; mirf6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR207464 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCCCTCCACCCTCGAAGAGTCCGGCTGAAGCCCTGGCTGGTGGCCAGGTGGACAGTGGCCTCTACC  
 CTGGTCTCATCTGGCTACACAGAGATTCAAAACGCTTCCAGATCCCTGGAAACATGCCACGCGGCACAG  
 CCCCCAACAGAGGAAGAAAACACCATTTTAAAGGCTTGGCTGTGGAGACCGGAAAGTACCAGGAAGGG  
 GTAGACGATCCTGACCCAGCTAAATGGAAGGCTCAGCTCCGCTGTGCTCTCAACAAAAGCAGGGAGTTCA  
 ACTTGATGTACGATGGCACCAAGGAAGTCCCATGAATCCTGTGAAGATCTATCAAGTGTGTGACATCCC  
 CCAGACCCAGGGCTCTGTCTTAATCCAGGATCCACAGGGTCTGCTCCTTGGGATGAGAAAGATAATGAT  
 GTGGATGAAGATGAGGAGGAGGATGAATTGAGCAGTACAGCACCATGTCCCCATCCAGGACACCTTCC  
 CCTTCTGAACATCAACGGTTCTCCATGGCGCCAGCCAGCGTGGCAACTGCAGTGTGGGAACTGCAG  
 CCCCGAATCAGTGTGGCCAAAACAGAACCTCTGGAGATGGAAGTACCCAGGCACCCATTCAACCTTTC  
 TACAGTTCCTCAGAGCTATGGATCAGCTCTCTCCCATGACTGACTTGGACATCAAAATTTAGATATCGTG  
 GGAAGGAGTATGGGCAAACCTATGACGGTGAACACCCCAAGGGCTGCCGGCTCTTCTATGGGGACCTGGG  
 CCCCATGCCCCGACAGGAGGAGCTTTTGGTCTGTGAGCCTGGAGCAGGTCAAGTTCCAGGTCCAGAG  
 CATATCACAACGAGAAGCAGAAGCTGTTACCAGCAAGCTGTTGGATGTGATGGACAGGGGACTGATCC  
 TGGAGGTGAGCGGACATGCCATTTATGCCATCAGGCTGTGCCAGTGCAAAGTGTACTGGTCAGGGCCATG  
 TGCTCCCTCGTGTGCTCCTAACCTGATTGAGAGGCAGAAGAAGGTCAAGTTGTTTTGTCTGAAACC  
 TTCTGAGTGAAGTGGCCAGATGGAAGCCCTGGAGAGGAAGCTCATCTTGGTCCAGTCCATCCAGT  
 GGTGGCTCGCATGATCTATGAGATGTTTTCTGGTGAATTTACCCGGTCTTTGACAGTGGCAGCGTTCCG  
 CTGCAGATCTCCACTCCAGACATCAAAGATAACATCGTTGCTCAGCTCAAGCAGCTGTACCGCATCTTCC  
 AAACCCAGGAGGCTGGCAGCCATGCAGCCTGCCCCAGCATGCAGCTGCCACAGGCTCTGCCTGCCCA  
 G

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR207464 protein sequence  
 Red=Cloning site Green=Tags(s)

MALHPRRVRLKPWLVAQVDSGLYPGLIWLHRDSKRFQIPWKHATRHSPQQEEENTIFKAWAVETGKYQEG  
 VDDPDPKWKQAQLRCALNKSREFNLMYDGTKEVPMNPVKIYQVCDIPQTQGSVINPGSTGSAPWDEKDN  
 VDEDEEEDLEQSQHVPVQDTFPLNINGSMPAPASVGNCSVGNCSPEVWPKTEPLEMEVPQAPIQPF  
 YSPELWISSLPMTDLDIKFQYRGKEYGQMTVSNPQGCRLFYGDLGMPDQEELFGPVSLEQVKFPGPE  
 HITNEKQKLFSTKLLDVMDRGLILEVSGHAIYAIRLCQCKVYWSGPCAPSLAAPNLIERQKVKLFCLET  
 FLSELIAHQKQIEKQPPFEIYLCFGEWPDGKPLERKILVQVIPVARMYEMFSGDFTRSFDSGFSVR  
 LQISTPDIKDNIVAQLKQLYRILQTTQESWQPMQPAPSMQLPQALPAQ

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_016851

**ORF Size:** 1404 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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.

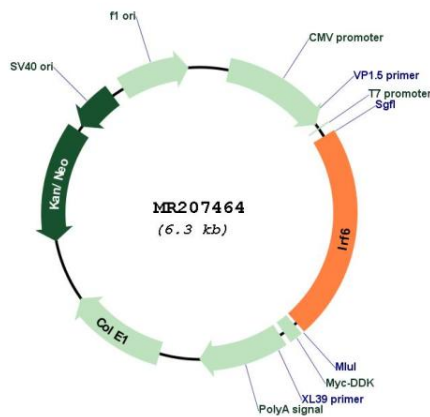
**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- 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\\_016851.2, NP\\_058547.2](#)  
**RefSeq Size:** 4140 bp  
**RefSeq ORF:** 1404 bp  
**Locus ID:** 54139  
**UniProt ID:** [P97431](#)  
**Cytogenetics:** 1 97.6 cM  
**MW:** 53.1 kDa

**Gene Summary:** Probable DNA-binding transcriptional activator. Key determinant of the keratinocyte proliferation-differentiation switch involved in appropriate epidermal development. Plays a role in regulating mammary epithelial cell proliferation. May regulate WDR65 transcription. [UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR207464