

Product datasheet for **MC216241**

Irf6 (NM_016851) Mouse Untagged Clone

Product data:

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



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Fully Sequenced ORF: >MC216241 representing NM_016851
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCCTCCACCCTCGAAGAGTCCGGCTGAAGCCCTGGTGGTGGCCAGGTGGACAGTGGCCTCTACC
 CTGGTCTCATCTGGCTACACAGAGATTCCAACGCTTCCAGATCCCTGGAAACATGCCACGCGGCACAG
 CCCCCAACAGAGGAAGAAAACACCATTTTAAAGGCTTGGGCTGTGGAGACCGGAAAGTACCAGGAAGGG
 GTAGACGATCCTGACCCAGCTAAATGGAAGGCTCAGCTCCGCTGTGCTCTCAACAAAAGCAGGGAGTTCA
 ACTTGATGTACGATGGCACCAAGGAAGTGGCCATGAATCCTGTGAAGATCTATCAAGTGTGTGACATCCC
 CCAGACCCAGGGCTCTGTCTTAATCCAGGATCCACAGGGTCTGCTCCTTGGGATGAGAAAGATAATGAT
 GTGGATGAAGATGAGGAGGAGGATGAATTGAGCAGTACAGCACCATGTCCCCATCCAGGACACCTTCC
 CCTTCTGAACATCAACGGTTCTCCATGGCGCCAGCCAGCGTGGGCAACTGCAGTGTGGAAACTGCAG
 CCCCGAATCAGTGTGGCCAAAACAGAACCTCTGGAGATGGAAGTACCCAGGCACCCATTCAACCCCTTC
 TACAGTTCCTCAGAGCTATGGATCAGCTCTCTCCCATGACTGACTTGGACATCAAAATTCAGTATCGTG
 GGAAGGAGTATGGGCAAACATATGACGGTGAACACCCAGGGCTGCCGGCTCTTCTATGGGGACCTGGG
 CCCCATGCCCCGACCAGGAGGAGCTTTTGGTCTGTGACGCTGGAGCAGGTCAAGTTCACAGGTCCAGAG
 CATATACCAACGAGAAGCAGAAGCTGTTACCAGCAAGCTGTTGGATGTGATGGACAGGGGACTGATCC
 TGGAGGTGAGCGGACATGCCATTTATGCCATCAGGCTGTGCCAGTGCAAAGTGTACTGGTCCAGGGCCATG
 TGCTCCCTCGCTTGTGCTCCTAACCTGATTGAGAGGCAGAAGAAGGTCAAGTGTGTTTGTCTGAAACC
 TTCCTGAGTGAAGTATGCCCACCAGAAAGGACAGATAGAGAAGCAGCCGCCTTTTGTGATCTACTTAT
 GCTTTGGGAAGAGTGGCCAGATGAAAAGCCCTGGAGAGGAAGCTCATCTTGGTCCAGGTATCCCAGT
 GGTGGCTCGCATGATCTATGAGATGTTTTCTGGTGATTTTACCCGGTCTTTGACAGTGGCAGCGTTTCGC
 CTGCAGATCTCCACTCCAGACATCAAAGATAACATCGTTGCTCAGCTCAAGCAGCTGTACCGCATCTTC
 AAACCCAGGAGAGCTGGCAGCCATGCAGCCTGCCCCAGCATGCAGCTGCCACAGGCTCTGCCTGCCCA
 GTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_016851

Insert 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 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](#)

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:	<ol style="list-style-type: none">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:	<u>NM_016851.2</u> , <u>NP_058547.2</u>
RefSeq Size:	4140 bp
RefSeq ORF:	1404 bp
Locus ID:	54139
UniProt ID:	<u>P97431</u>
Cytogenetics:	1 97.6 cM
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]