

Product datasheet for **MG207464**

Irf6 (NM_016851) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Irf6 (NM_016851) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Irf6
Synonyms:	A1876454; E230028I05Rik; mirf6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG207464 representing NM_016851
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGGCCCTCCACCCTCGAAGAGTCCGGCTGAAGCCCTGGCTGGTGGCCAGGTGGACAGTGGCCTCTACC
 CTGGTCTCATCTGGCTACACAGAGATTCAAAACGCTTCCAGATCCCTGGAACATGCCACGCGGCACAG
 CCCCCAACAGAGGAAGAAAACACCATTTTAAAGGCTTGGGCTGTGGAGACCGGAAAGTACCAGGAAGGG
 GTAGACGATCCTGACCCAGCTAAATGGAAGGCTCAGCTCCGCTGTGCTCTCAACAAAAGCAGGGAGTTCA
 ACTTGATGTACGATGGCACCAAGGAAGTGCCATGAATCCTGTGAAGATCTATCAAGTGTGTGACATCCC
 CCAGACCCAGGGCTCTGTCTTAATCCAGGATCCACAGGGTCTGCTCCTTGGGATGAGAAAGATAATGAT
 GTGGATGAAGATGAGGAGGAGGATGAATTGAGCAGTACAGCACCATGTCCCATCCAGGACACCTTCC
 CCTTCTGAACATCAACGGTTCTCCATGGCGCCAGCCAGCGTGGGCAACTGCAGTGTGGAAAAGTGCAG
 CCCCGAATCAGTGTGGCCAAAACAGAACCTCTGGAGATGGAAGTACCCAGGCACCCATTCAACCCCTTC
 TACAGTTCCTCAGAGCTATGGATCAGCTCTCTCCCATGACTGACTTGGACATCAAAATTTAGATATCGTG
 GGAAGGAGTATGGGCAAACCTATGACGGTGAACACCCCAAGGGCTGCCGGCTCTTCTATGGGGACCTGGG
 CCCCATGCCCCGACCAGGAGGAGCTCTTTGGTCTGTGACCTGGAGCAGGTCAAGTTCACAGGTCCAGAG
 CATATACCAACGAGAAGCAGAAGCTGTTACCAGCAAGCTGTTGGATGTGATGGACAGGGGACTGATCC
 TGGAGGTGAGCGGACATGCCATTTATGCCATCAGGCTGTGCCAGTGCAAAGTGTACTGGTCAAGGGCCATG
 TGCTCCCTCGCTTGTGCTCCTAACCTGATTGAGAGGCAGAAGAAGGTCAAGTGTGTTTGTCTGAAAACC
 TTCTGAGTGAAGTATGCCCACCAGAAAGGACAGATAGAGAAGCAGCCGCCTTTTGTGATCTACTTAT
 GCTTTGGGAAGAGTGGCCAGATGAAAAGCCCTGGAGAGGAAGTCACTTTGGTCCAGGTATCCCAT
 GGTGGCTCGCATGATCTATGAGATGTTTTCTGGTATTACCCGGTCTTTGACAGTGGCAGCGTTCGC
 CTGCAGATCTCCACTCCAGACATCAAAGATAACATCGTTGCTCAGCTCAAGCAGCTGTACCGCATCTTC
 AAACCCAGGAGAGCTGGCAGCCATGCAGCCTGCCCCAGCATGCAGCTGCCACAGGCTCTGCCTGCCCA
 G

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG207464 representing NM_016851
 Red=Cloning site Green=Tags(s)

MALHPRRVRLKPWLVAQVDSGLYPGLIWLHRDSKRFQIPWKHATRHSPQQEEENTIFKAWAVETGKYQEG
 VDDPDPKWKALRCALNKSREFNLMYDGTKEVPMNPVKIYQVCDIPQTQGSVINPGSTGSAPWDEKDND
 VDEDEEEDLEQSQHHVPIQDTFPLNINGSMPAPASVGNCSVGNCSPEVWPKTEPLEMEVPAPIQPF
 YSPELWISSLPMTDLDIKFQYRGKEYGQTMVSNPQGCRIFYGDLGPMPDQEELFGPVSLEQVKFPGPE
 HITNEKQKLFKSKLLDVMDRGLILEVSGHAIYAIRLCQCKVYWSGPCAPSLAAPNLIERQKVKLFCLET
 FLSELIAHQKGQIEKQPPFEIYLFCGEEWPDGKPLERKILVQVIPVARMYEMFSGDFTRSFDSGSVR
 LQISTPDIKDNIVAQLKQLYRILQTESWQPMQPAPSMQLPQALPAQ

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_016851

ORF Size: 1401 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](#)

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).

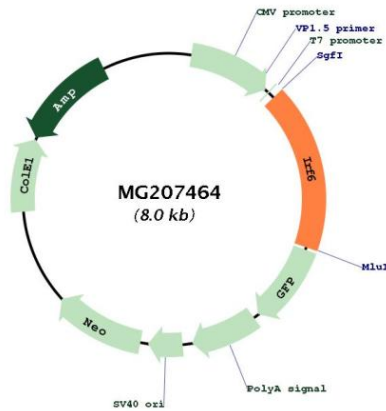
Reconstitution Method:

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

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 MG207464