

Product datasheet for **MC220386**

Arhgef37 (NM_177828) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arhgef37 (NM_177828) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Arhgef37
Synonyms:	4933429F08Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC220386 representing NM_177828
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTGACTTTGGAGCAGATGAGGCCTCTTCCAAGTCAGAGAGTCCTGAGCAGGAAGATCAGGGCTCTG
 AGGACAGATCGCTGCTCCATCAGAGGCTGGCCATCAGAGAGCTCATTGACACAGAAGTCTCTACTTACA
 CATGCTCCGACTCTGTGCCCTGTACATCAGAAGCCACCTACAACAGCTGCCACCAGGCGATCTGGACATC
 CTGTTCTCCAACATCGATGACATCATCCAAGTGAGCAGCAGGTTCCCTCGAGGGTGCAGGAGACAGCCT
 GCAGGGAAGAGGAGCAAGCGCACCTGATTGGTAACTTATTCTTGGAAATCCAAGAGGAGTTTGAACAAGT
 CTATAAAGTCTACTGTGCCAACTATGACCAGGCCCTGCTGCTGGTCAAGGCGTACCAGAAGGAGCCAGAA
 CTGCAGAAGGAGATCCAGGGCATCATCGAAGTGCATGCCACAAGCTGGACCTTCGGGTCTCAGTTTCT
 TCCTTGTGATCCCTCTACAGAGGATTACCAAGTACCCCTCCTGCTGCAGAAAATCTGGAGAACACACC
 TGCAGATGCCAGCGCCACCCTGCCCTCAGAGAGCCACCTCTGCCCTCCAGGATGTGAACGGCAATATC
 AACGAATACAAGATGCGCAAGGAAGTGGCTTAAAGTATACCAAAGTGGAGCAGCTGAGCCTTCGGGAGC
 GGCTGGCCCGCATCAACACACATACTCTTCCAAGAAGACCACCAGACTGAGCCAGATGTGAAGCAGGA
 GGCGGGGCTTGTATCCCGGACAGAAGACAAGGAATTTGATGACCTGGAGGAGAGATTCCAGTGGGTGTCT
 CTGTGTGTGAAGGAGCTCAGAAACAATGTGGTCGATTTTCATGGTAATCTGGAGGTTTTCTCAGCTTCC
 GGCCACACGAACGGAGCCTGGATATCCCTGGGGACCTGCGGAGCAGTACTGCAGCCTAGCGAGGGACCT
 TCAGCTCCATGCCTTCTGCAGTTAAGCAGCGGTTAAGAAGCCTGGTGTGGCAACCATTGTGCAGTCTG
 GCCAGAGCCCTGGCTGGTCTCAGAACTTGATCAAGAAGCGCCTGGACAACTCCTGGACTTCGATCGAG
 TAGAGGAGAAGCTGTTAGATGTGGGCAGCTGACCTGGGAGGAGGAGCCAGCCCGCAGCAATACCAGGC
 GCTCAACTCCTTACTAGTGGCCGAGCTCCACAGTTTAAACCAACTCGTCATGCAGTGGCTGGGTGAGATC
 CTGTGCACATTTGTGGTCTCCAGAGAGACCTCGCCGATCAAGTCTACGAAGGGCAGAGAGCACCATGG
 CTCTGCTGCCTCATCACCACGTCTCAGAGCCGACTTCCAGAAGCTGCTGGAGCACACACTAGGCCAGAG
 CAGCAGTCAGCTCCGCTCTTTCAGGAGAGCTTGAAGAAGTGTCTCCACCCTCCACCCTCAGCCACTC
 CTTCCAGGGTCTGAACACCAGATGCAGGCTCTCCTTACCAGATATGGCCCTGAGAAGCTATACCAGGTGT
 CAAGCAACATCAACGGGACTGGGACTCTGGACCTGACCCTGCTGCGGGGCCAAATCGTGGCCCTTCTACA
 AAACAAGGATACCAAAGGCAACAACAGTCGCTGGCTGGTAGACACAGGGGACACCGGGGCTATGTGCCA
 GCTGGAAAATTCAGTTATACCACCCATCATTCCCAGTGAAGGAGCTCAGAGGCCAGACAGGGACAC
 ATGAAGACTCCTGGCTTCCAGCCCCAGAGCCCACCCAGCTCTCTGTTCCCACTGTCCAACCATGAGTCA
 GGTGGTGGCAGTATACCTTTTGTGGCCAGAAGCACCCACGAAGTGAAGTCTACAGGCAGGCCAGCCTGTG
 ACCATCTAGAGGCCAAGACAAGAAGGGGAACCCAGAATGGAGCCTGGTGAAGCAAACGGACAGAGGG
 GCTATGTGCCCTTCCAACCTTCTAGCCAGGACCCCAAGCCCAACTCCCTGGGGCTGGAATCTTCCCTCTTA
 A

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_177828
Insert Size: 2031 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:

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_177828.4](#), [NP_808496.2](#)

RefSeq Size: 3234 bp

RefSeq ORF: 2031 bp

Locus ID: 328967

UniProt ID: [A1IGU4](#)

Cytogenetics: 18 E1

Gene Summary: May act as a guanine nucleotide exchange factor (GEF).[UniProtKB/Swiss-Prot Function]