

Product datasheet for **RN205156**

Arhgef16 (NM_001127591) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arhgef16 (NM_001127591) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Arhgef16
Synonyms:	MGC187446
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>RN205156 representing NM_001127591

Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**

ATGTCCCAGAGGCATTCTGACAGCTCCCTGGATGAGAACTACTGGAGTACCGCTTCCACGCGGAGCTGC
GACTCGACGCCAACGGGAACCCCGTGCCTGGACTCCCCATGGTCCGGGGTTCTTTAAAGCCAGAGCCAA
CGCTGCCTTTGAGCCGATGCCCCAGAATCCTTACAGCCGCCACCGCTGGAGATGAGGAGCCTCGGCC
ATCATCTCAGCACACAAAGCCCTGCGGCCCTCAAGATGGGCACGCAGCAGCTCATCCCCAAGAGCTTGG
CGGTGGCCAGCAAGGCCAAGACCAAGTCGCCGCCGCCACCAGAGCTTTGGGGCAGCTGTGCTCAGTAA
GGAGGCCGCGAGGCGGACTCCTCAGCTCCTCCAGCCCCAGTTTCTCTCTGGATGATATGGACATGGAC
GCCGTACAGGTGGGAACCTGAAACGCAACCTGAGGAACCAATCTACAGGGCAGCCATGAAGGGCTGG
GGCCACCCAGTAGCAAGGAAGACTCAGTCCGCCTCGGCCCAAGCTCCAGGCCCTCGCTGAGGAGGCTGC
TCAGCCTCCTGCCGGCACCCAGCCAAAATAAGAAAATTGGAACGCGCAAACAAGGGCTCGTTCAAA
GATGACCCCCAATTTACCAGGAGATCCGAGAGCGGGTTTGAATACTAGTCACGAGTCTGATGATGACA
TACTGGACGAGCCCTCCAGCTCTGGGGGCACTCAGAGAGGGGACACCACCTTGTGGTTAAGACCTATCG
CCCTGCTCAGCTCACCTGGAGCCAGCTCCAGAGGTGCTGGAGTCAGGTATCCTGGACACACTGTCAGTG
GAAGAGCGGAAGAGACAGGAGGCCATCTTCGAGATCCTCACGTCTGAGTTCTCTATCTGCACAGCCTGA
AGATCCTGGTGAATGAATTCCTACAGTCCCAAGAGCTGAAGACCACCATGACGCAGACAGAACACCACCA
CCTCTTCTCAACATCTCGGATGTGTGGCTGCCAGTCAGAAGTTCTTTGAATCCCTGGAGCAGCGGCAC
AAAGCTCAGGTGTGTGTGGAGGACATCAGCGACATCTTGGAGGACCATGCCGAGAACCCTTCCACCTT
ACATCGCTACTGCTCCAACGAGGTCTATCAGCAGCGCACCTGCAGAAGCTGTGGAACGCAACACAGC
CTTCCGGGAAGTTCTGAGGGAGATAGAGAACTGCCTGCGTGTGGGGGCTGCCCATGATCTCCTTCCTG
ATTCTCCCATGCAGAGGTGACCCGGCTGCTCTGTTGACGGATACACTCTGCCTGAAGACACAAGGCC
ATCCCGAACGGTATAAAGCCGCCAGCCGCGCCTGAAGGCCATCAGCAAGCTGGTGAACAATGTAACGA
GGGGGCCCAAAAATGGAGCGCACAGAGCAGATGTACACACTGCACATGCAGCTGGACTTCGGTAAGGTC
AAGTCCCTCCACTCATCTCTGCCTCTCGCTGTTACTGAAACGTGGAGAGCTCCTCCTTGAAGAAT
CCAGTATCTTTAGGAAAATTGCTAGCCGACCCACGTGCTACCTGTTCTATTCAATGACGTCCTGGTTGT
CACCAAGAAGAAAAGTGAGGAAAGTTACTTGGTCCAAGACTACGCGCAGCTAGACCAGTGCAGGTGAGG
AAGGTGGAACCTCGGAGCTCCACTGCCAGGAGGAGCAGCCGAGCTTCCGTGCCCTACCTTTCC
AAGTGAACCTGTACACAACAGCGAGGGCGCCAGGAGCAGATACTGCTGTCTTCTGACTCCGCGAGTGA
CCGGGCCCGGTGGATCACAGCACTCAGTACAAGGAGAGACAGTGGCAGGGCATCAGCAAAAGGAGAA
CTGCCCCAGGTGGAGGTACCAAGGCATACTTTGCCAAGCAGGCTGATGAGATCACACTGCAACAGGCAG
ACGTGCTCCTGGTCTGCAGGAAGAGGATGGCTGGCTTTATGGTGAGCGGCTTCGGGACGGAGAGACCGG
CTGTTTCCCGAGAGCTTTGCTCACTGCATCACCAGCCGTGTGGCCGTGGAAGGCAATGTGCGCAGGATG
GAGCGGCTGCGGGTGGAGACAGATGT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_001127591

Insert Size:

2130 bp

OTI Disclaimer:

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).

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:	<u>NM_001127591.1, NP_001121063.1</u>
RefSeq Size:	2795 bp
RefSeq ORF:	2130 bp
Locus ID:	687105
Cytogenetics:	5q36