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Product datasheet for MC227899

Arhgap15 (NM_001301831) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arhgap15 (NM_001301831) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Arhgap15
Synonyms:	5830480G12Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

View online »

Fully Sequenced ORF:

>MC227899 representing NM_001301831
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGAAAAGGACAAGCTGCAGTGTGCAGACATCTACAAACTGTGACAACTCTCTGGAAATACTGAATT
CTGCCCACCAAGCTACAGGAGCTGTGCAAATGAGAATCAAAAATGCCAACAGCCACCAAGACAGGCAGAG
CCAAACTAAATCCATGATCCTCACCGATGCTGGGAAGGTCACTGAACCTATTTCCCGGCACAGAAGGAAT
CATTCACAGCATGTGTTGAAAGATGTCATTCCACCACTAGAACATCCAATGGTTGAAAAAGAAGGGTATC
TTCAAAAAGCCAAAATTGCAGATGGAGGAAAGAAACTAAGGAAAAACTGGTCTACTTCCTGGATTGTTCT
TTCTGGTCGAAAAATTGAATTTTACAAAGACTCCAAGCAGCAAGCTCTTCCTAACATGAAAACCAGGCAC
AACGTGGAAAGTGTGGATTTGTGTGGTGCACATATAGAATGGGCCAAAGAAAAATCAAGCAGAAAGAGTG
TCTTTCAGATCACAACAGTGTCAGGAAATGAGTTCCTTCTACAGTCAGATATTGACTTCCTCATATTGGA
TTGGTTCCAAGCTATCAAAAATGCAATTGACAGATTGCCAAAGAATCCAAGTTGTGGGTCCCTGGAGTTG
TTCAATTTGCAGAGATCCTCAAGTTCTGAACTGCCGAGTCACTGCCACATCGATAGAAAAGAACAGAAAC
CAGAACACAGGAAGTCCTTCATGTTTCGACTGCACCACAGTGCTTCTGATACAAGTGACAAGAATCGCGT
GAAGAGCAGACTGAAGAAGTTCATCTCCAGAAGACCTTCTCTGAAAACTTTGCAGGAAAAGGGACTCATT
AAAGATCAAATTTTTGGCTCTCATCTGCACACAGTGTGTGAACGAGAACATTCCACAGTTCCATGGTTTG
TAAAGCAATGCATTGAAGCTGTTGAAAAAAGAGGCCTAGACGTTGATGGAATTTATCGAGTTAGTGGCAA
TCTTGCAACAATACAGAAGTTAAGATTTATTGTCAACCAAGAAGAGAAGCTGAATTTGGATGACAGCCAG
TGGGAGGACATCCACGTCGTCACCGGAGCACTGAAGATGTTTTTCCGGGAGCTGTCTGAACCGCTCTTCC
CTTACAGTTTCTTTGAGCGGTTTGTGGAGGCGATCAAAAAACAAGACAGCAATGAAAAAATTGAAACTAT
GAGGTCTCTGGTAAAACGTCTCCCTCCACCAAATCATGATACCATGAAAATCCTCTTCAGACATCTAACC
AAATTCATAATCTTCAAACGCACCAGCTTCTTGATTTCCAATCAGATGGGATTTAGCCTGATCCAGACCC
CAGCTGTGTCCTGTTCCTGCCTACTAAGGGCACTGCATCAGAGAACATGTTTTCTCTCTAGAGGGAGACC
TTTCCAAGACCCTGCCTCCCAACTCTCCCTTTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001301831

Insert Size: 1434 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).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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_001301831.1, NP_001288760.1
RefSeq Size:	3118 bp
RefSeq ORF:	1434 bp
Locus ID:	76117
Cytogenetics:	2 B
Gene Summary:	The protein encoded by this gene is a RAC GTPase-activating protein that is regulated through its PH domain and by recruitment to the membrane. The protein accelerates hydrolysis of guanosine triphosphate to guanosine diphosphate to repress Rac activity. Knock-out of Arhgap15 function demonstrates that this gene is required to regulate multiple functions in macrophages and neutrophils. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Sep 2014] Transcript Variant: This variant (3) differs in the 3' UTR and coding sequence compared to variant 1. The resulting isoform (3) has a shorter and distinct C-terminus compared to isoform 1.