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Product datasheet for MC223501

Arhgap30 (NM_001005508) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arhgap30 (NM_001005508) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Arhgap30
Synonyms:	6030405P05Rik; Gm102; mFLJ00267
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>MC223501 representing NM_001005508
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAGTCTCGGCAGAAAGGAAAGAAGAAGGGCAGCTCTAAGGAACGGGTGTTTGGGTGTGACCTACGTG
AGCATCTACAGCACTCGGGCCAGGAAGTGCCCCAGGTGCTACGGAGCTGTGCAGAGTTTGTGCAAGAGTA
TGGAGTGGTGGATGGGATCTACCGCCTCTCAGGGGTCTCCTCTAACATCCAGAAGCTCCGGCAGGAGTTT
GAGACGGAGCGGAAGCCAGACCTGCGCCGGGATGTTTATCTCCAGGACATTCACTGCGTCTCTTCCTTGT
GCAAGGCCTACTTCAGAGAACTCCCAGATCCCCTCCTCACTTATCGGCTCTATGACAAGTTTGCTGAGGC
AGTGGCCGTGCAGCTAGAGCCAGAGCGATTGGTCAAGATCCTAGAAGTGCTTCAAGAACTCCCTATCCAA
AACTACAGGACCCTGGAATTCCTTATGCGCCACTTGGTCCACATGGCCTCATTTAGTGCCCAAACCAACA
TGCATGCTCGCAATCTGGCAATTGTGTGGGCCCCCAACCTGCTGAGGTCTAAGGACATAGAGGCCTCAGG
CTTCAATGGGACAGCAGCGTTCATGGAGGTTCGAGTGCAGTCCATTGTTGTGGAGTTCATCCTTACCCAT
GTGGACCAGCTCTTTAGGGGTGACTCCCTCTCTGCTGGTGTAGACTTGGAGAGTGGATGGAAATCACTTC
CAGGAGCCCGGGCATCAGGCAGCTCCGAGGACCTCATGCCCACCTCTCTTCCCTACCACTTGCCCAGCAT
CTTGCAGGCTGGGGATGGACCTCCACAGATCCGACCCTACCATACTATTATTGAGATTGCGGAACACAAG
AGAAAGGGGTCATTGAAGGTCAGGAAATGGCGCTCTATCTTCAATTTGGGTCGATCTGGACACGAGACAA
AACGTAAACTTCCGCTGAGGGTTGAGGACAGGGAAGAAAAATCCAGTAAGGGGACACTGCGGCCTGCCAA
AAGCATGGACTCGCTGAGTGCTGCCGCTGGGGCCAGTGACGAGCCGGAGGGGCTGGTGGGGTCCAGCAGT
TCTCAGCCAAGCTCACTGATGCCTGAGAGCTTGGAGAGTAATTCTATGGAAGGTGAACAGGAGCCTGAAG
CAGAGGCACCGGGCAGTGCCAATTCTGAGCCGGGAACTCCACGAGCCGGGCGATCAGCTGTTCGGGCCTT
AGGTAGCAGTAGAGCAGAGCGTTGTGCTGGTGTCCACATCTCAGACCCTTACAACGTCAACCTCCCTCTG
CACATAACCTCCATCCTCAGTGTTCCTCCAAACATCATCTCTAATGTCTCCTTGGTCAGGCTCACCCGAG
GCCTTGAGTGCCCTGCCCTACAACCCCGGCCAAGCCCTGCCTTGGGTCCTGGCCCCCCAGATGAGAAATC
AGAGGCAAGATCAGTCCCAGGTCCCCTGGATGACTCGAGCCCTGCAGCCATGACTCCTGCCCTAGAGGAC

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TCCCTGTCCCAGGAAGTGCAGGACTCCTTCTCCTTCCTAGAGGATTTGAGCAGCTCAGAGCCTGAGTGGG
TGGGGGTGGAGGAGAGGGAGGTGGCCAAGGCAGAAGCCGCAGGAGCAGCAGGAGCAGCAGCTTTCTCCCT
TGGGGAGGACGACCCTGGGATGGGCTACCTGGAGGAGCTGCTGAGAGTTGGGCCTCAGGTAGAAGAGTTC
TCTGTGGAGCCACCCCTGGATGACCTGTCTCTGGATGATACTCAGTATGTCCTGGCTCCTAACTGCTGCT
CCCTTGATTCTGCGGTTTCCACACCTGACGTAGAAGAGGACTATGGGGAAGAAGTCTTCTTGAGTGCCTA
TGATGATCTGAGTCCCCTTCTGGGGCCTAAACCCATCAACTGGGAAGGTGTAGGGAGTCTGGAGGAAGAG
GCAGCAGGGTGTGGGAAACAACCTCCAACACAGGATGAAGAAGAACAGGCCTGCTCAGAAACCAGGCAGG
AAAAGGAGGCTAAGCCCCGGAGCACATCAGATAACCGGGAAGAAGCAGAGGCAACTCCAGAGACTGAGAT
GGAGGCTGGAAAGGCTGATGCGGAAGGAGGGGAGGCTGAGAGAAGCCAAAAGGTGATGGATAGTTTTAAA
GAAGGGAGTAGGGAAGAGCTAGAGGCCAAGGAAGAAAATTCCGAAGGTCGAGAGGTTGAAAGTATAAAGG
AGACCAAGGATGTGGAAAAAATAATAGGAGAACCGGGTAAAGATGAGGAGAGAGAGATTGGGAGAGAAGA
AGGAGCTGAGAAAGGAGATGACACCCCAGTAGACTCTGATATGGATCCAGAGCATGTGTTCCAGGAAGAC
CTGGTTCTTGAGGAGAGCTGGGAAGTTGTCCACAAGCATGAGGCTGAGAAAGGCAGAGAGAGTGAGACCA
AAGAGCTGAGGAGGAAGAGTGACCTTAAGTCAAGAGAAGACCAAGGACACAGTGAAGACAGTGGAAGTCC
AGAAGAGGGTGATGATAGGAAGGAAGGGGTTTTCAGCAAGGAACAAAAAAGTATAGACGTAGAAACTGAA
GTCATGAGAGGTGTTGGTGACCACTTAGAAGAGGGGGCCCTCTCTGAAGGGCCAGGTGTCGAGTTACTGA
GGGTTGACAGTACAGAAGAAATCAATGAACAGACCTCTGAGATGAAACAAGCCCCGCTACAGCCATCTGA
ACCAGAGGGCATGGAGGCTGAGGGACAGCTTAATCCTGAGACATGTGACCTGTATTCTTGTCCCTGTGGG
TCAGCTGGTGGTGTGGGCATGCGTCTGGCTTCCACCCTAGTTCAGGTCCGACAGGTCCGCTCTGTCCCTG
TAGTGCCCCCCAAACCACAGTTTGCCAAGATGCCCAGTGCAATGTGTAGCAAGATCCATGTAGCACCTGC
AAGCCCATGTCCAAGGCCTGGTAGGCTTGATGGGACTCCTGGAGAAAAAGCTTGGGGTTCTCGAGCTTCC
TGGAGGAATGGGGGCAGTCTTTCTTTTGATGCTGCTGTGGCCCTGGCCCGGGAACGCCAGAGGACCGAGT
CTCAGGGAGTTCTGCGGACCCAGACCTGTACTGGAGGTGGGGATTATAGTCTCAGCTCCAGAACCCCTCC
TTGTAGCATGATCCTTGCCCATTCTTCCCGGCCCCTTAGCTGTTTGGAACGCCCACCTGAAGGCACAGAG
GGGTCTGAGCCCAGGAGTCGGCTTAGTCTGCCCCCTAGAGAGCTTCACCCTGTTGTCCCTCTTGTGGCCC
CTCAGCGCCAGACATATGCTTTTGAAACACAGACTAATCATGGGAAAGATGAAGGGGTATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001005508

Insert Size: 3282 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: NM_001005508.2, NP_001005508.2

RefSeq Size:	4509 bp
RefSeq ORF:	3282 bp
Locus ID:	226652
UniProt ID:	Q640N3
Cytogenetics:	1 H3
Gene Summary:	GTPase-activating protein (GAP) for RAC1 and RHOA, but not for CDC42.[UniProtKB/Swiss-Prot Function]