

Product datasheet for **MR210171**

Arhgap28 (BC066788) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arhgap28 (BC066788) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Arhgap28
Synonyms:	AU044757; AW550892; E130310N06
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>MR210171 representing BC066788
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGGTGGAGGACTCGGGCGCGTGGTGTGACCCCTACCACTCGCACGCGCTCGCAACCCGAGG
 GCGCTGAGCCACGCTGCGCGTCCCGGGCCAGCCATCCGCTCAGCAGAAAAATCCATTCTCGCTGCCGACG
 AATCAACAGGATGCTCTCCAATGAATCCCTGCATCCTCCCTCCTTTAGTCGCTCCAACTCTCAAGCCTCA
 GTAGACAGCAGCGCATCCATGGAGGAGTTCCTGCGGAAATGAGAGTATCAAAGAGAGCAGCGTGGGGG
 CGTCGCAGGAGCAGCCACCCACTGCTGCTGCTGCTGCTGAAGTCAAGCCAGTGGATGAAGGAGAGCT
 TGAAGCGGAGTGGCTACAAGATGTGGGATTGTCAACTCTGATCTGGCAACGAAGGAAGACGGTAAA
 GCGCTCTGTCTACATTGACTCGGACCCAAGCTGCTGCAGTAAAAAGAGATAACAACATATACTCAGA
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 TAGTGATTCTTGTGAGCATGCTACTCAGTTGGACGGTACCAAGGAAGAAAAAGATCTGCCAGGAGTTACC
 AAGACAAGCAGACCTCTGCCAGACGATGCTTCTCTCAGTGTACCACTTCCAAATGGCCGCCAGGATG
 AAGAAGTGGTTTTGTGGCCCTACAGAGTGGTTCTGTGTCAATACTTGAGGCTATCCCGGATATTGCTGT
 TCGCACCAATGGATCTGCAGATGCTGAGCAGTCGGTTCAGAGCACATTGAGTGTGATGATTATCACGGG
 AAGAAGTTCAGCAGAGGCTGAAGAGCTGTCTTTGAGGTCTTACTCAGAAATGGTGACAGAAATGC
 CTGATAGAAATAAATGGAAGAAGTCGGACATTAAGAAAGAAGACTATGTCTTAATAAATTTATCATTCA
 GAAAACAAGATTTGGGTTGGCCGAGACGGGGACCTGTCTGTGGAAGACATGAAGAAAATCCGCCACCTC
 TCTCTGATTGAGCTGACAGCCTTCTTCGATACTTTGGGATACTGAAGAGAAAACAAAACCGAGCGAG
 TGAGAGCCGAGACAACGGGATTTTCGGAGTGCCACTTACAGTCTCTGGACAATGACCCGAAGAAGGA
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 TCAATGCTGACAAGTTCAAGTGGGACAAGATGTGTACAGAGAAGCTGCGGTGATGTTGAAAGCATTCTT
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 CTGCTGGCCAACACGGCGACCCACATCATCCGCTGATGCTGAAGTACCAGAAGATTCTGTGGAAGGTTT
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 CAAAAATCACCTTCTCAAGAAGAATGTCTGATGTGCCAGAAGGTGTATAAGGGTCCACGCTCCACTTC
 TGTCCAAGTGTCCATGGCCATTGAGCTCAACAGTCAGACCAAAGCCAAAGATGTCCTGGCGAAATTTCA
 GTATAAGAACCCACTAGCAACCAAAACATGTACTTCGGGGTTCCTGTGTGTCCTGTGCTTGACCGGTTT
 CTAGATTGCCAGTGGCCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR210171 representing BC066788
 Red=Cloning site Green=Tags(s)

MEVEDSGGVLTAYHSHARSQPQGAEPKASRASHPLSRKSIIPRCRRINRMLSNESLHPPSF SRSNSQAS
 VDSSASMEEFLEIESIKESSVGASQEQPPTAAAAAAEVKPVDEGELEAEWLQDVLSTLISGNEEEDGK
 ALLSTLTRTQAAAVKKRYNTYTQTLRKKNKQPVDRDVRDIFGVSESPSDSCEHATQLDGTKEEKDLPVGT
 KTSRPLPDDASLSSTTL SNGAQDEEGFVALQSGSVSILEAIPDIAVRNNGSADAEQSVQSTLSDDDYHG
 KNPVPAEAEELSFEVSYSEMVTMPDRNKWKKSDIKKEDYVLTKFIIQKTRFGLAETGDL SVEDMKKIRHL
 SLIELTAFDFTFGIQLKRNKTERVGRDNGIFGVPLTVLLDNRKDPVAVKVPVLVQKFFQKVEESGLES
 EGIFRLSGCTAKVKQYREELDARFNADKFKWDMCHREAAVMLKAFFRELPTSLFPVEYIPAFISLMERG
 PDIKVVQFQALHLMVMALPDANRDTAQUALMAFFNKVIANESKNRMNLWNISTVMAPNLFFSRSKHSDCEEL
 LLANTATHIIRLMKYQKILWKVPSFLITQVRRMNEATMLLKKQLPSMKKLLRRKTL DREVSILKTSKVP
 QKSPSSRRMSDVPEGVIRVHAPLLSKVSMAIQLNSQTKAKDVLAKFQYKNPLATKHVLRGFLCVPVLDRF
 LDCPVGQ

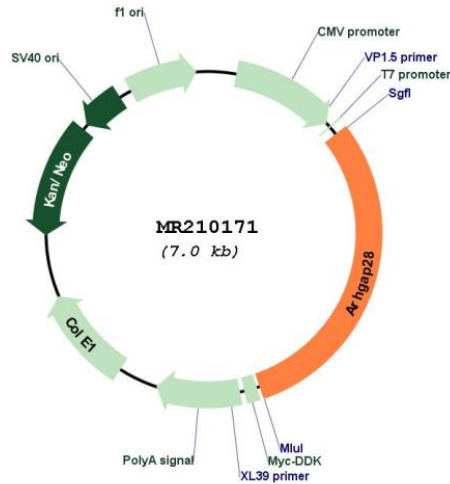
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:


ACCN: BC066788

ORF Size: 2121 bp

OTI Disclaimer: 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: [BC066788.1](#)

RefSeq Size: 3710 bp

RefSeq ORF: 2123 bp

Locus ID: 268970
Cytogenetics: 17 E1.1-E1.2
MW: 136 kDa
Gene Summary: GTPase activator for the Rho-type GTPases by converting them to an inactive GDP-bound state.[UniProtKB/Swiss-Prot Function]