

Product datasheet for MR212032

Arhgef11 (NM_001003912) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arhgef11 (NM_001003912) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Arhgef11
Synonyms:	B930073M02; E130307F09; mKIAA0380; PDZ-RhoGEF; Prg; RhoGEF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR212032 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCATACGGTTGCCCATAGTATAGACAGGTTAAGTAGCCTGTCTTCTCTGGGAGATTCTACACCTG
AACGCACATCCCCTTCTCACCACCGCCAGCCCTCTGACACCTCTGAGACAACAGGTCTTGTTGAGCGCTG
TGTCATCATCCAAAAGGACCAGCATGGCTTTGGCTTACAGTTAGTGGAGATCGCATTGTGCTGGTGCAG
TCTGTGCGCCCTGGAGGCGCAGCCATGAGAGCTGGTGTGAAAGAGGGTGACCGGATCATCAAAGTAAACG
GCACCATGGTGACCAATAGCTCACACCTGGAGGTAGTGAAGCTTATCAAATCTGGCGCCTATGTTGCGCT
TACCCTCCTGGGCTCTTCTCCTTCTCCATCGGTGTCTCTGGGCTCCAGCAGAACCCTTCTCTGTGAGGA
GGCCCCAGAGTTAACCCCATGATTCCTCCACCACCTCCTCCTCCACCCTTGCCACCTCCACAACACATTA
CTGGACCTAAACCTCTACAGGATCCTGAAGTCCAAAAGCAGCCACTCAAATCCTCAGGAATATGCTAAG
GCAGGAGGAGAAGGAGTTACAGCGTATCTGTGAGGTGTATAGTCGGAACCCCGCCAGCCTGCTAGAAGAG
CAAATCGAAGGTGCCCGGCGGAGTCACTCAATTACAGCTGAAGATCCAGCAGGAGACTGGTGGCTTAG
TGGATGTACTTCCACTCTGTGGTGAGACCAGCCAGAGAACATGTGAAGGCCGCTCTCTGTGGACTCCCA
GGAGGCAGACAGTGGCTTGGACTCAGGGACAGAACGCTTCCCTCCATCAGTGAGTCATTGGTGAATCGG
AACTCAGTATTGTCAGATCCTGGACTAGACAGCCACAAAACCTCCCCTGTAATCCTGGCCAGGGTGGGCC
AGCACACAGGCGACAGGGCTCAGATGCAGCGGTGACCCCTCAACCACAGGGTATAGATCAAAGCCCC
AAAGCCTCTGATTATTGGCCAGAGGAAGATTATGACCCAGGCTATTTCAACAATGAGAGTGACATCATC
TTTCAAGATCTTGAAAACTGAAGTCACATCCAGCTTACTTGGTAGTATTTCTACGTTACATCTTCTCTC
AGGCAGACCCCGCCCCCTGCTTTTTTATTTGTGTTTCCAGAAAGTTATCAGCAGACAAATCCCAAAGATTC
CCGAAATCTGGGAAAGACATCTGGAATATTTTCTAGAGAAAAATGCGCCTCTCAGAGTGAAGATCCCT
GAGATGTTGCAGGCTGAGATCGACCTACGCTGCGAAACAGTGAGGACCCCTCGCAGCGCCTTTATGAAG
CTCAGGAGGCAGTCATGCCGGAGATCCAGGAGCAGATCAATGACTATAGATCAAAGCGCACTCTGGGCT
GGCAGCCTCTATGGTAAAATGACCTACTAGACCTGGATGGGACCCCTCTCGAGAGCGCCAAATGGCT



[View online »](#)

GAGAAGCAACTGGCTGCCCTTGGAGATATCTTGTCCAAATATGAGGAAGATCGGAGTGCTCCCATGGACT
 TCGCTGTTAATACCTACATGAGCCACACTGGGATCCGTCTTCGGGAGTCTCGACCTCCAGCACAGCAGA
 AAAGACCCAGTCTGCCCCGACAAGGACAAGTGGCTGCCCTTCTCCCTAAGACCAAGAAGAGCAGCAAT
 TCCAAGAAAAGAAAGGACGCCTTGGAGGACAAGAAGCGAAACCCCATCCTCAGATACATTGGGAAGCCCA
 AGAGCTTCTCAGAGCATTAAAGCCAGGCAATGTGAGGAACATCATTAGCACTTTGAGAACAGCCATCA
 GTATGATGTCCCAGAGCCGGGGACACAGCGACTCTCAACAGGAAGCTTTCCTGAGGACCTGCTGGAGAGT
 GACAGTTACGCTCAGAGATTGCCTTGGCCGCTCTGAAAGCCTCAAGGGCCGGGAGGAGATGAAGCGAT
 CCCGGAAGGCAGAGAATGTGCCCGGTCTCGAAGTGATGTTGACATGGATGCTGCTGAGGCTACTCG
 CCTTCATCAGTCAGCCTCATCTCTGCCTCCAGCCTCTCCACCAGGTCTCTTGAGAACCCAAACCCCTCCC
 TTCACCCCAAAAATGGGCCGAGGAGCATTGAGTCCCAATCTGGGTTCTGTACAGATGTCATCTTCC
 CCCACCTCCTTGGAGGATGATCTGGGCCAACTGTCTGACCTGGAGCCAGAGCCAGAAGTCCAAAATGGCA
 GCATACAGTGGGCAAGGATGTGGTGGCAAACCTTGACACAGAGGGAAATTGACCGCAAGAGGTATCAAT
 GAGCTCTTTGTGACAGAAGCATCCACCTGCGCACGCTACGAGTCTGGACCTCATCTTCTACCAGCGCA
 TGAAGAAGGAGAACCTAATGCCACGGGAAGAGCTGTCAAGGCTCTCCCTAATCTGCCTGAACTCATAGA
 GATCCACAATTCCTGGTGTGAAGCCATGAAGAAGCTCCGGGAGGAGGGCCCAATTATCAGAGACATCAGT
 GACCTCATGCTGGCTCGGTTTGTGTTGCTGCTGCCGAGAAGAGCTCCAGCAAGTAGCTGCACAATTCGTT
 CCTATCAGTCAGTAGCCCTGGAGCTAATCAGGACTAAACAACGCAAGGAGAGTCCGATTCCAGCTTCTCAT
 GCAGGAAGCCGAGAGCCACCCCAAGTGTGCGGCTCTGCAGCTTCGTGACCTGATCATCTCTGAGATGCAG
 CGGCTCACTAAGTACCCACTGCTGCTAGAGAACATCATCAAGCACACAGCGGGTGGCACATCTGAGTATG
 AGAAGCTCTGCCGTGCCCGGACCAAGTCCGAGAGATTCTCAAGTTTGTGAATGAAGCAGTGAAGCAGAC
 AGAGAACCGTACCGCTTAGAAGGGTACCAGAAACGCCTGGATGCCACTGCTCTAGAGCGGGCCAGCAAC
 CCCTTGGCAGCAGAGTTCAAGAGCCTGGATCTTACGACAAGGAAGATGATCCACGAGGGGCTCTGACCT
 GGAGGATCAGCAAAGATAAGACCCTGGACCTCCAGGTGCTGTTACTCGAGGACCTGGTATGCTGCTGCA
 GAGACAAGAGGAGAAGCTGCTGCTCAAGTGCCACAGCAAGACAGCTGTGGGCTCCTCAGACAGCAAGCAG
 ACCTTCAGCCCTGTGCTGAAGCTCAATGCCGTGCTCATCCGCTCTGTGGCCACAGATAAACGAGCCTTCT
 TCATCATCTGCACCTCCGAGCTGGGCCCTCCCCAGATCTATGAGCTGGTGCATTGACATCATCAGACAA
 GAATATATGGATGGAGCTCTTAGAAGAGGCTGTGCAGAAATGCCACCAAGCACCCCTGGAGATGCCCCAGTA
 CTCACCATCCCTCACCACCAGGATCCCAGGAGCCAGCCTACCAGGGCTCCACCTCCAGCAGGGTAGAGG
 TGAATGACTCGGAAGTGTATCCCACTGAAAGAGAACCCAAAGAAGCCATCTGAAGGCCCGGGCCGAGCA
 GAGAGGTCAAGACAAGCAGCTGTAGCACAAAGAGGGGCTGAGCAGGAGGAGGATGCAGAGGAGCTGAGG
 GCCCTGCCTTGCCTCCTCCCTCCCTGGATGGAGAAAACAGAGGCATCAGGACAAGGGACCTGTCTTTC
 TGGCCCTCACAGGCCCTCTGCTCATGGAGGGACTTGTGATGCTGCCCTGGAAAGATGTGGAGAATTGCG
 GCACCTTATCCTGTGGAGCCTGTGCTGGTCAACTGTGAAGACTCAGGCTGCTGGCGAGCCTGAAGAT
 GACCTTACACCCACCCCTTCTGTGCTCAGCATTACCTCTCACCCCTGGGACCCAGGATCCCAGGGCAAG
 CTCCTGTATAAGTGACAACACCCAATTTCCAAGGCCAGAGGGAAGCCAGCCAGAGGGCGAGGATGTTGC
 TCTCTGTTCTCTGGCACACTTGCACCAAGGACCAGAAATTTGGCATCTGGGACTCTCCTGAGCTGGAT
 AGGAATCCAGTGAAGAGGCTTCAAGCTCAGAACCAGCAGGAAGTTACAAAGTTGAAGGAAAGTCTCTC
 TACTCCCTGGTGGTGGTGTGCGTGCAGCCAAGGTGGCGGGCAGCAATGTTACCCCTGCACTCCCAGAGAG
 TGGCCAGTCAGAATCTGAGCTATCTGAAGTGAAGGCGGAGCACAGGCTACGGGAACTGTTTCTATGTC
 AGCATGCCAGCAGAACCTCTGGACTCTAGCACTGAGCCTCCTGGGACACCCCAAGTCTCTCGCAGTGTG
 ACAGCCTCCCTGCATGGCCAACAGAGCCTCCGCAACACAGGGGAGTCACTGGGGTCCAGGTTCCAGCCT
 GGTCTCAGGGATATGGGTGTGATCTTCCACACCATCGAGCAACTGACCGTCAAGCTTACAGACTCAAG
 GACATGGAGTGGCCACAGAGAGCTGCTCAACTCCCTTGGAGGAGAGTCGTCTGGTGAACCACTCCTG
 TGGGAAGTTTTACACAGAGGCAGCCAGATGGACAGACTACTCCCTCTCTCCTCCAGCCAAGGAAGCCCT
 GACCTCTGACCCCAAAAACAATCAGGAGCAGGGTCTACCCTGAAGAAGGCTCCGACACCCCTGGAA
 GACAGTGCCACAGACACAGCTTCGTACCAGGACCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGAT AAGGTTTAA

Protein Sequence:

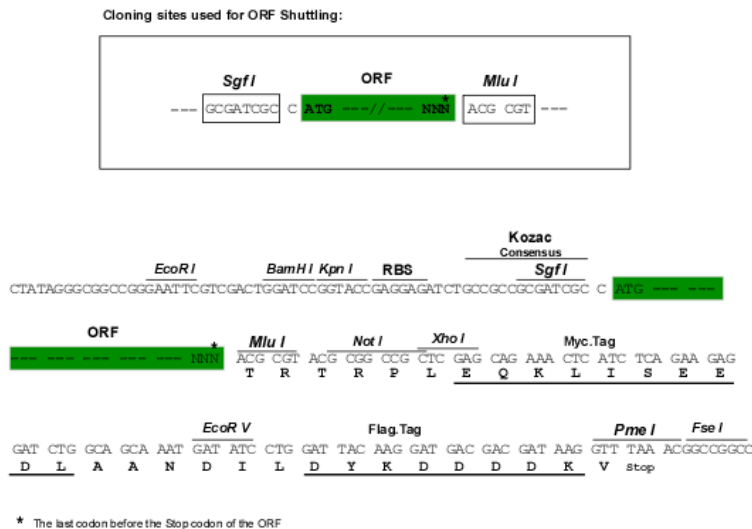
>MR212032 protein sequence
 Red=Cloning site Green=Tags(s)

```
MSIRLPHSIDRLSSLSSLDSTPERTSPSHRQPSDTSETTGLVQRCVIIQKDQHGFGFTVSGDRIVLVQ
SVRPGGAAMRAGVKEGDRIIKVNGTMVNTSSHLEVVKLIKSGAYVALTLLGSSPSSIGVSGLQQNPSLSG
GPRVNPMPISPPPPPPPLPPPHITGPKPLQDPEVQKHATQILRNMLRQEEKELQRICEVYSRNPASLLEE
QIEGARRRVTQLQLKIQQETGGLVDVPLCGETSQRTCEGRLSVDSQEAADSGLDSTGTERFPPSISESLVNR
NSVLSDPGLDSPQTSPIVILARVGOHRRQGSAAVHPLNHQIDQSPKPLIIGPEEDYDPGYFNESDII
FQDLEKLSHPAYLVVFLRYIFSQADPGPLLFLYLCSEVYQQTNPKDSRNLGKDIWNIFLEKNAPLRVKIP
EMLQAEIDLRLRNSDPRSALYEAQEAVMPEIQEQINDYRSKRTLGLGSLYGENDLLDLGDGDLRERQMA
EKQLAALGDILSKYEEDRSAPMDFAVNTYMSHTGIRLRESRPSSTAECTQSAPDKDKWLPFFPKTKKSSN
SKKEKDALEDKKNPILRYIGPKKSSSQSIKPGNVRNIIQHFENSHQYDVPEPGTQRLSTGSPEDLLES
DSSRSEIRLGRSESLKGREEMKRSRKAENVPRSRSDVMDAAAEATRLHQSSASSSLSTRLENPTTP
FTPKMGRRSIESPNLGFCTDVILPHLLEDDLQGLSDLEPEPEVQNWQHTVGKDVVANLTQREIDRQEVIN
ELFVTEASHLRTLRLVLDLIFYQRMKKENLMPREELSRFPNLPELIEIHNSWCEAMKKLREEGPIIRDIS
DLMLARFDGPAREELQQVAAQFCYQSVALELIRTKQRKESRFQFMQEAESHPCRRLLQRLDLIISEMQ
RLTKYPLLENIKHTAGGTSEYEKLCRARDQCREILKFVNEAVKQ TENRHRLEGYQKRLDATALERASN
PLAAEFKSLDLTTRKMIHEGPLTWRISKDKTLDLQVLLLEDLVLLQRQEEKLLKCHSKTAVGSSDSKQ
TFSPVLKLNVAVIRSVATDKRAFFIICTSELGPPQIYELVALTSSDKNIWMELLEAVQNA TKHPGDAPV
LNHPSPPGSQEPAYQGSTSSRVEVNDSEVYPTEREPPKPESEGGPEQRGQDKQLLAQEGPEQEEDAELR
ALPCPPPSLDGENRGIRTRDPVLLAL TGPLLMEGLADALEDVENLRHLILWLLPGHTVKTQAAGEDP
DLTPTPSVVSITSHPWDGSPGQAPAI SDNTQFPRPEGSQPEGEDVALCSLAHLPPRTRNSGIWDSPELD
RNPAEEASSSEPAGSYKVVVRKVSLLPGGGVGA AKVAGSNVTPALPESGQSESELSEVEGGAQATGNCFYV
SMPAEPLDSSTEPPGTPPSLSQCHSLPAWPT EPPQHRGVTGGQRSSLVLRDMGVIFHTIEQLTVKHLRLK
DMELAHRELLNSLGGESSGTTVPVGSFHT EAARWTDYSLSPPAKEAL TSDPQNNQE QGSYP EEGSDTPLE
DSATDTASSPGP
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN:

NM_001003912

ORF Size:

4659 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: [NM_001003912.2](#)

RefSeq Size: 5617 bp

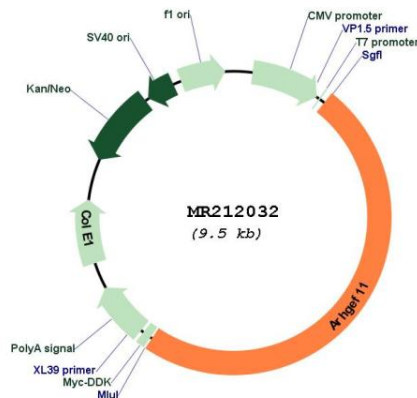
RefSeq ORF: 4659 bp

Locus ID: 213498

Cytogenetics: 3 F1

MW: 171.8 kDa

Product images:



Circular map for MR212032