

## Product datasheet for **MC223132**

### Arhgef10 (BC059212) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Arhgef10 (BC059212) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Arhgef10
Synonyms:	6430549H08Rik; mKIAA0294
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC059212 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAAAATCCAGAGGAAGCAATTTACGACGACGTTCCGAGGGAAAACCTCGGACTCTGAGCCAGATGAAA  
TGATTTATGATGATGTGGAGAACGGCGAAGAAGGTGAAAACAGCTCCCCAGAGTACGGGTGGAGTCCAG  
CGAATTCGAAAGCTATGAGGAGCCAAGCGACTCGGAGGGCAAGAACGGAATTCAGGTCCTTCTGCGC  
AGCAGTCATAAAAAGCAAATGCAGAAGCTTATGAAGGCAGCCAAGGAGGGCACAAAGATGGGCTGGAGA  
AAACCAAAGCTGCTGTGAAGAGAGGCGGCTCCTTCATCAGGACCAGGTCCTTGGTCTCTCAAGATCAGAC  
GTGTTATTTGAAGAAGAGCAGAATTTGTTTCATTGACGTGGACTGCAAGCACCCGGAGGCTGCCTCACC  
CCAATGCCCGAGGGCTTGTCTCAGCAGCAGGTTGTGAGAAGATACATTCTGGGCTCCATTGTTGAGAGCG  
AGAAGAACTATGTAGATGCTCTCCGGAGGATTTGGAGCAATATGAGAAGCCGCTGTCTGAGATGGAGCC  
CCGGCTCCTGAGTGACAGGAAGCTCAGGATGGTTTTCTACCGCGTCAAGGAGATCCTGCAGTGCTACTCC  
ATGTTCCAGATTGCGCTGGCCAGCCGCTGTCCGAGTGGGATGTCGTGAAAACAATCGGCGACGTTTTTTG  
TGGCCTCGTCTCCAAGTCCATGGTGTGGATGCTTACAGCGAGTACGTGAACAACCTCAGCACGGCCGT  
GGCTGTCTCAAGAAGACGTGTGCCACAAGCCTGCTTTCCTTGAGTCTTAAAGCTGAGCCAGGATTCC  
AGTCCAGACCGAGTCACACTCCACAGCCTTATGATGCGGCCATCCAGAGGTTCCACAGTTCATCCTCC  
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GGAGCTCGAGACCCTGGCAGAGAAGCTAAACGAGAGAAAAAGAGATGCCACCAGCGATGCGAAATCAAA  
CAAATAGCAAAGCCATAAACGAGAGATACCTGAACAAGCTCCTCAGCAGTGAAAACCGGTACCTCGTCC  
GGTCCGATGACGTCATCGAGACGGTTTACAACGACCGGGGAGAAATCGTCAAGACCAAACAACGCCGGAT  
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CGCGAAGCCACAAAAGTTTACATGGGGCCAGGCGAGCTGTACCAGGATCTGCAGAACCTACTGCACGAC



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CTGAACGTTGTTGGCCAGATCTCGCAGCTGATAGGAAACCTCCGAGGGAGCTATCAGAACTAAACCAGT
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GCTGTGTTCAATACGCTTACACCAGCCATCAAGGAGTCTGGGTGAGCAGCTGCAGATGGCCAAGCTGG
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ACACCCCTCCTGGTGGGACACATGCCTGTGATGGTGGCAAGCAGCCAGAGTTCAAGATTGAATGTGCA
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AGGGCAGGTGTTTATGGCCAGCGTGGAGACTCACACTATAGAGAATCAGCTGGAGGCCACCAAGATGAA
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GAGGAAGGTCTTCTCCTGCCGGGCCAGCCTGACACCTACACATCCGTTTGGTGGGAGACTCCCTAGGAT
TGCCAACCTCAAAGAATGATCTGTCTTCTCGTCTCGGGTCACTGAACCTGTCCCATGGCTCCAGTTCCT
AGAGCACAGATCTGTGGACAGCAGTCTGTGTGACCTGCTGAGGGACCCAGTGCCTCCCCAAGGAGCAGA
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GCTGGGCATGTAG

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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** BC059212
- Insert Size:** 3303 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: [BC059212](#), [AAH59212](#)  
RefSeq Size: 4065 bp  
RefSeq ORF: 3302 bp  
Locus ID: 234094  
Cytogenetics: 8 A1.1  
Gene Summary: May play a role in developmental myelination of peripheral nerves.[UniProtKB/Swiss-Prot Function]