

Product datasheet for MR211634

Arhgef10 (BC059212) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arhgef10 (BC059212) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Arhgef10
Synonyms:	6430549H08Rik; mKIAA0294
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR211634 representing BC059212 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAAAATCCAGAGGAAGCAATTTACGACGACGTTCCGAGGGAAAACCTCGGACTCTGAGCCAGATGAAA
TGATTTATGATGATGTGGAGAACGGCGAAGAAGGTGAAAACAGCTCCCCAGAGTACGGGTGGAGTCCAG
CGAATTCGAAAGCTATGAGGAGCCAAGCGACTCGGAGGGCAAGAACGGAATTCAGGTCCTTCCTGCGC
AGCAGTCATAAAAAGCAAATGCAGAAGCTTATGAAGGCAGCCAAGGAGGGCACCAAAGATGGGCTGGAGA
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CCAATGCCCGAGGGCTTGTCTCAGCAGCAGGTTGTGAGAAGATACATTCTGGGCTCCATTGTTGAGAGCG
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CTGTAGCCCATGATTGGACGTCGGGCTTACAGCGGCTGATACTGAGGAAAAGATGCGATCAGAGCTGC
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 TGCACAGGAAGGCCAGGCAGCCTTCTCAGGAGGACCTGGTTTCTCAGTGTGGTGGCAGATCCCCCT
 GCTGGGCATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence:

>MR211634 representing BC059212
 Red=Cloning site Green=Tags(s)

MENPEEAIYDDVPRENSDSEPEDEMIYDDVENGEENSSPEYGWSSEFESYEEPSDSEGKNGIPRSFLR
 SSHKKQMQLMKAKEGTDGLEKTKAAVKRGGSFIRTRSLVSDHRCYFEEEQNLFIDVDCKHPEAVLT
 PMPEGLSQQVVRRYILGSIVESEKNYVDALRRILEQYKPLSEMEPRLLSDRKLRMVFYRVKEILQCHS
 MFQIALASRVSEWDVVEITGDVVASFSKSMVLDAYSEYVNNFSTAVAVLKKTCATKPAFLFLKLSQDS
 SPDVRTLHSLMMRPIQRFPOFILLQDMLKNTAKGHPDRLPLQMALTELETLAEKLNKRKRDADQRCIEK
 QIAKAINERYLNKLLSSGNRYLVRSDDVIETVYNDRGEIVKTKQRRIFMLNDVLMCATASSRNSHESHAV
 MSQRYLLKWSVPLGHVDVIQYNGGSGAGEHCRHHAHSPESLAVVANAKPHKVYMGPGQLYQDLQNLHHD
 LNVVQGISQLIGNLRGSYQNLNQSVAHDWTSGLQRLILRKEDAIRAADRCRIQLQLPGKQDKSGRPTFFT
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 AYNPEPYLSNESQPASPSTARGFLWIGSNCNMGQVAIVSFQGSNPKVIECFNVESRILCMVYIPAEESK
 PQETTEKDPATASRAHVPTICLGTTEEGSISYKSSQGCCKVRLQHFYAPDKSTVMSLACSPQGLYAG
 LVNGSVASYTKAPDGSWNSEPPQVIKLVLPVRSLLLVEGALWAASGGQVFMASVETHHTIENQLEAHQDE
 GMVISHMAVAGVIWIAFTSGSTLRLFHTETLKHLDQVNIAPVHSMPLGHQRLSVTSLLVCHGLLMVGT
 SLGVVVALPVPRLQGIKVTGRGMVSYHAHNGPVKFIVSATAFQNKDRARDSPRGSELQDEDPKDLLCS
 EEGPSCPQPDITYSVWLGDLSGLPTQKNDLSSSSGSLNLSHGSSSLEHRSVDSSLCDLLRDPSPASPRSR
 PQGRRARASSALVVCGGQGHRRVHRKARQPSQEDLVSSVMVWQIPLLGM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

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:	<ol style="list-style-type: none">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:	<u>BC059212.1</u>
RefSeq Size:	4065 bp
RefSeq ORF:	3302 bp
Locus ID:	234094
Cytogenetics:	8 A1.1
MW:	149.1 kDa
Gene Summary:	May play a role in developmental myelination of peripheral nerves.[UniProtKB/Swiss-Prot Function]