

Product datasheet for **MG211633**

Arhgef10 (BC066074) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arhgef10 (BC066074) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Arhgef10
Synonyms:	6430549H08Rik; mKIAA0294
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG211633 representing BC066074 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAAAATCCAGAGGAAGCAATTTACGACGACGTTCCGAGGGAAAACCTCGGACTCTGAGCCAGATGAAA
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AAACCAAAGCTGCTGTGAAGAGAGGCGGCTCCTTCATCAGGACCAGGTCCTTGGTCTCTCAAGATCAGAG
GTGTTATTTTGAAGAAGAGCAGAATTTGTTCAATTGACGTGGACTGCAAGCACCCGGAGGCTGTCTCACC
CCAATGCCCGAGGGCTTGTCTCAGCAGCAGGTTGTGAGAAGATACATTCTGGGCTCCATTGTTGAGAGCG
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CTGAACGTTGTTGGCCAGATCTCGCAGCTGATAGGAAACCTCCGAGGGAGCTATCAGAACTAAACCAGT
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TGACAGGAAGGCCAGGCAGCCTTCTCAGGAGGACCTGGTTTCTCAGTGTGGTGGCAGATCCCCCT
GCTGGGCATG
    
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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG211633 representing BC066074
 Red=Cloning site Green=Tags(s)

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MENPEEAIYDDVPRENSDSEPEDEMIYDDVENGEEGNSSPEYGWSSSEFESYEEPSDSEGKNGIPRSFLR
SSHKKQMQLMKAKEGTDGLEKTKAAVKRGGSFIRTRSLVSDHRCYFEEEQNLFIDVDCKHPEAVLT
PMPEGLSQQVVRRYILGSIVESEKNYVDALRRILEQYKPLSEMEPRLLSDRKLRMVFYRVKEILQCHS
MFQIALASRVSEWDVETIGDVFVASFVSKSMVLDAYSEYVNNFSTAVAVLKKTCATKPAFLFLKLSQDS
SPDRVTLHSLMMRPIQRFPOFILLQDMLKNTAKGHPDRLPLQMALTELETLAEKLNKRKRDADQRCIEK
QIAKAINERYLNKLLSSGNRYLVRSDDVIETVYNDRGEIVKTKQRRIFMLNDVLMCATASSRNSHESHAV
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PQGSRRARASSALVVCGGQGHRVRHRKARQPSQEDLVSSVMVWQIPLLGM
    
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TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: BC066074

ORF Size: 3302 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: [BC066074](#), [AAH66074](#)

RefSeq Size: 5362 bp

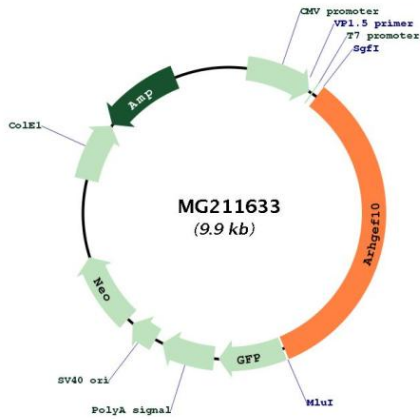
RefSeq ORF: 3302 bp

Locus ID: 234094

Cytogenetics: 8 A1.1

Gene Summary: May play a role in developmental myelination of peripheral nerves.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG211633