

Product datasheet for MC229539

Arhgef10l (NM_001290803) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Arhgef10l (NM_001290803) Mouse Untagged Clone
Tag: Tag Free
Symbol: Arhgef10l
Synonyms: 2810441C07Rik
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC229539 representing NM_001290803
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTTCCTCGAACCCTCTCCACAGCCTGCCATAGGAGCTCCCCTGGCTCCCAGCGCTCCAGGCCCT
 CCCCCGAGGTGGAGGAGGACTCCGGAGAAGCCTTTGAGTTTGATGACAGTGATGAGGAGGAGACACCAG
 CTCTGGCCTGGTTGTCCCTGGCCTCGCCCTGAGAGGGACACAGAGCCCTCGCTGATCTGCTTTGACT
 GTCCCGGGCTCAGACCTGGACCCAGCAGCTGCACCACCCAGACAGAGGCACCCACTGTGGTCAGCAATG
 GGGATGCGGTGGGCGCAGCGATCTCTGGGGTCCGGCGCTCCAGCTGGAAGCGGAAGAGCTCACGTCGAAT
 TGACCGCTTCACTTTCCCTGCCCTGGAGGAAGATGTGATTTATGACGACGTCCCCTGTGAGAGCCCAGAC
 GCCCATCAGCCCGGGGCCGAGCGGGCCTCGTTTACGAGGATGTGCATCGTGCAGGAGCACCGCGTGAGA
 CCGAGGACCTAGGCTGGAGCTCTAGTGAGTTTGAGAGCTACAGCGAGGACTCTGGGGAGGAGACCAAACC
 GGAGGCCGAGCCCACTAAGCACCAGGGTCTCCAGCCCAAGCTTTCTCCAGACCTGACTAGGCTAAAG
 GAGAGATACGTCAGGACTAAGAGAGACATCTTGCTTTGAGAGTTGGGGTAGAGACATGCAGGAGCTGA
 AGCTCAAGTGCATTGTAAGATGACCCAGCTCATGAAGGCCCAAGAGCGGGACCAGGGATGGCTGGA
 GAAGACCCGATGGCCGTCATGCGAAAAGTCTCCTTTCTGCATAGGAAAGATGTCCTCGGTGACTCAGAA
 GAAGAAGATATGGGGCTCCTGGAGTGTGTGACAGACATCAAACCTCCCGCGCCAGAGCTGGGCCCA
 TGCCGGATGGCTTGAATCCTCAGCAGGTGGTCCGGAGACACATCCTAGGCTCCATCGTGCAGAGCGAAGG
 CAGCTACGTGGAGTCACTGAAGCGGATACTCCAGGATTACCGTAACCCACTAATGGAGATGGAGCCCAAG
 GCGCTGAGCGCCCAAGTGTGAGTGGTGTCTTCCGCGTGAAGGAGATTCTACATTGCTACTCCATGT
 TCCAGATCGCTCTGTCTCCCGGTGGCCGAGTGGGACTCCACAGAGAAGATTGGAGACCTTTTGTGGC
 TTCATTCTCAAGTCCATGGTCTAGATGTATACAGCGACTATGTGAACAACTTCAACAACGCCATGTCC
 ATCATCAAGAAGCCTGTCTACCAAGCCAGCGTTCTTGAGTTTCTCAAGCGCGGCAGGTGTGCAGTA
 CGGACCGAGTCACCTCTATGGGTTGATGGTGAACCTGTTCCAGAGATTTCCACAGTTTCATCCTCCTACT
 CCAGGACATGCTGAAGAACAACCTCCCGGGGCCACCCCTGACAGGTTGTCGCTGCAGCTAGCCCTCACGGAG
 CTGGAGACGCTGGCTGAGAAGCTGAACGAGCAGAAGCGGTTGGCCGACCAGGTGGCTGAGATCCAGCAGC



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TGACCAAGAGTGTCAAGTACCGCAGCAGCCTCAACAAGCTGTTGACCTCTGGCCAGCGGCAGCTGCTTCT
 GTGTGAGACACTGACTGAGACGGTGTATGGAGACCGAGGGCAGCTGATCAAGTCCAAGGAGCGCAGGGTC
 TTCCTGCTCAATGACATGCTGGTCTGCGCAACATCAACTTCAAGCCCTCCAACACAGGGGCCAGCTAG
 AGATCAGCAGCCTGGTACCTCTGGGGCCCAAGTACGTGGTGAAGTGAACACAGCTCTGCCTCAGGTGCA
 GGTGGTAGAGTGGGTGAGGATGGTGGCACCTACGACAAAGACAATCTGCTCATCCAGCATGCTGGAGCC
 AAGAAGGCCACTGCTGCAGGGCAGGCCAGACAAGGTGTACCTGGGCCCCCACGCCTCTCCAGGAGC
 TGCAGGACCTGCAGAAGGACCTGGCCGTGGTGGAGCAGATCACCTCCTCATCAGCACCTTGCATGGCAG
 TTACCAGAACTGAACATGACTGTGGCCCAAGACTGGTGCCTGGCGCTGCAGAGGCTGATGCGGGTGAAG
 GAGGAGGAGATTCACTCGGCCAACAAGTGCCGCCTGAGGCTGCTGCTCCCGGGAAGCCAGACAAGTCTG
 GCCGGCCATCAGTTTCATGGTGGTCTTCATCACCCCAACCCCTGAGCAAGATTTCTGGGTCAACAG
 ATTACACTTGGCAAAGATTGGACTAAGGGAGGAGAACCAGCCAGGATGGCTGTGTCCCGATGAGGACAAG
 AAAAGCAAAGCCCGTTCTGGTGGCCATCCTGGCCTGCTGCGTCCCGCTTTCTCTCCCGACCCCTCA
 GTCTGCAGCTTGGGGCCTGGTCCACAGTCTGTTAACTCTCCCTGCTGGGCTTCTCGGCGGTGAGCAC
 TTCCTTCCACAGGGCTACCTTTGGGTTGGCGGTGGTCAAGGAGGTGCTGGTGGCCAGGTGGAGATCTC
 TCCTGAACCGCCCTTCCCGCGCAGGTCAGTCTTCCAGTGGCGGCCCTGTGCTCTGCATAGAGT
 ATATTCCAGATCCGGAGGAGGAGGCTGAGGGTGCAGAGGAGAGCCGGGCAGCCACCGATCCCTCGGTCA
 AGTGCATCCCCTGTCTGCCTTGGACTGCAGGATGGCAGCATCCTACTGTATGGCAGTGTGGACACGGGT
 ACCCAGTGCCTGGCCACCTGCAAGAGCCAGGCCCGCAGCCTGTGCTCTGCCTGCCTCACAGCCCTTCT
 ACCTGCTTGGCGCCTCCAGGACGGGACCTCGCTGCCTATCCTCGGACCAGTGGTGACATTCCTGGGA
 CCTGGAGAGCCCTCCCATGTGCATAACTGTGGGCCAGGGCCGATTGCAACTGCTGAGCCTGGAAGAT
 GCTGCATGGGCCAGCTGCGGGCCGAGGGTCACTGTAAGTATGATGCCGCACTTTGCAAACTCAGCAAAGCT
 TCGAGGCGCACAGGATGAGGCGGTGAGTGTCACTCACATGGTGAAGCCGGCAGCGGTGTCTGGATGGC
 TTCTCCTCTGGCTTTCCATCCGCTCTTTCACACGGAGACTTGGAGCACCTCAGGAGATCAACATC
 GCCACCAGGACCACTTCTCCTGCCAGGCCAAAAGCACCTATGTGTACCAGCCTCCTCATCTGCCAGG
 GTCTGCTCTGGGTAGGCACTGACCAGGGTGTATTGCTCTGTTGCCTGTACCCCGACTGGAGGGCATCCC
 CAAGATCACAGGGAAAGGCATGGTGTCTCTCAATGGTCACTGTGGACCTGTGGCCTTCTGGCTGTGGCC
 ATGAGCATCCTGGCCCTGACATCCTGCGGAGTGACCAGGAAGAGGCCGAGGGACCGCAGGCCGAGGAGG
 ACAAGCCAGAGCGGCAGGCTCATGAAACCGTGCCTGGGCTGACAGCCACACAGCTCGGGAGCTGACCCG
 CAAGAAAGGCATCCTGCTCAATACCGCTACGCTCCACGGCCCACTCCCGGGCCCTGTTGTCTGTG
 CGGGAGCCAGCACCTGCCGATGGCTCGGCTCTGGAACACAGTGAAGGACGGGTCCATCTACGAGATGG
 CCGATGACCTGACGTCTGGGTCGGAGCCGGCCTGTGCCGTGATGCCACCGCAAGGAGATCTGCTC
 TGTGGCTATCATCTCTGGTGGACAAGGCTACCGCCATTTCCGGCGGTGCTCCAGGTGGCCTGAGTGGCGG
 CGGGCCCCGTGCAGCGAGACAGACAGCACACTTCTCATCTGTCAGGTGCCCTTGGCTCTATAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001290803
- Insert Size:** 3843 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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>NM_001290803.1</u> , <u>NP_001277732.1</u>
RefSeq Size:	4549 bp
RefSeq ORF:	3843 bp
Locus ID:	72754
UniProt ID:	<u>A2AWP8</u>
Cytogenetics:	4 D3
Gene Summary:	Acts as guanine nucleotide exchange factor (GEF) for RHOA, RHOB and RHOC. [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (4) represents the longest transcript and encodes the longest isoform (d).