

Product datasheet for MR211882

Arhgef10l (NM_172415) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Arhgef10l (NM_172415) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Arhgef10l
Synonyms: 2810441C07Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR211882 representing NM_172415
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGCTTCCTCGAACCTCCTCCACAGCCTGCCATAGGAGCTCCCCTGGCTCCCAGCGCTCCAGGCCCT
 CCCCCGAGGTGGAGGAGGACTCCGGAGAAGCCTTTGAGTTTGTGACAGTGATGAGGAGGAGACACCAG
 CTCTGGCCTGGTTGTCCCTGGCCTCGCCCTGAGAGGGACACAGAGCCCTCGCTGATCTGCTTTGACT
 GTCCCGGGCTCAGACCTGGACCCAGCAGCTGCACCACCCAGACAGAGGCCACCCACTGTGGTCAGCAATG
 GGGATGCGGTGGGCGCAGCGATCTCTGGGGTCCGGCGCTCCAGCTGGAAGCGGAAGAGCTCACGTGCAAT
 TGACCGCTTCACTTTCCCTGCCCTGGAGGAAGATGTGATTTATGACGACGTCCTCCGTGAGAGCCAGAG
 GCCCATCAGCCCGGGCCGAGCGGGCCTCGTTTACGAGGATGTGCATCGTGCAGGAGCACCAGCGTGAGA
 CCGAGGACCTAGGCTGGAGCTCTAGTGAGTTTGTAGAGCTACAGCGAGGACTCTGGGGAGGAGACAAACC
 GGAGGCCGAGCCCAAGCACCAGGGTCTTCCAGCCCAAGCTTTCTCCAGACCTGACTAGGCTAAAG
 GAGAGATACGTGAGGACTAAGAGAGACATCTTGCTTTGAGAGTTGGGGTAGAGACATGACAGGAGCTGA
 AGCTCAAGTGGATTGTAAGATGACCCAGCTCATGAAGGCCGCAAGAGCGGGACCAGGGATGGGCTGGA
 GAAGACCCGATGGCCGTCATGCGAAAAGTCTCCTTTCTGCATAGGAAAGATGTCTCGGTGACTCAGAA
 GAAGAAGATATGGGCTCCTGGAGTTGGTGTGACAGACATCAAACCTCCCGCCAGAGCTGGGCCCA
 TGCCGGATGGCTTGAGTCTCAGCAGGTGGTCCGGAGACACATCCTAGGCTCCATCGTGCAGAGCGAAGG
 CAGCTACGTGGAGTCACTGAAGCGGATACTCCAGGATTACCGTAACCCACTAATGGAGATGGAGCCCAAG
 GCGCTGAGCGCCCAAGTGTGAGGTGGTGTCTTCCGCGTGAAGGAGATTCTACATTGTACTCCATGT
 TCCAGATCGCTCTGCTCCCGCTGGCCGAGTGGGACTCCACAGAGAAGATTGGAGACCTTTTGTGGC
 TTCATTCTCAAGTCCATGGTCTAGATGTATACAGCGACTATGTGAACAACCTCACCAACGCCATGTCC
 ATCATCAAGAAGGCTGTCTACCAAGCCAGCGTTCTTGTAGTTTCTCAAGCGCGCCAGGTGTGCAGTA
 CGGACCGAGTACCCTCTATGGGTTGATGGTGAACCTGTTCCAGAGATTTCCACAGTTCATCCTCCTACT
 CCAGGACATGCTGAAGAACACTCCCGGGCCACCTGACAGTTGTGCTGCAGCTAGCCCTACGGAG



CTGGAGACGCTGGCTGAGAAGCTGAACGAGCAGAAGCGGTTGGCCGACCAGGTGGCTGAGATCCAGCAGC
TGACCAAGAGTGTGAGTACCAGCAGCAGCTCAACAAGCTGTTGACCTCTGGCCAGCGGCAGCTGCTTCT
GTGTGAGACACTGACTGAGACGGTGTATGGAGACCCGAGGGCAGCTGATCAAGTCCAAGGAGCGCAGGGTC
TTCCTGCTCAATGACATGCTGGTCTGCGCAACATCAACTTCAAGGGCCAGCTAGAGATCAGCAGCCTGG
TACCTCTGGGGCCCAAGTACGTGGTGAAGTGGAACACAGCTCTGCCTCAGGTGCAGGTGGTAGAGGTGGG
TCAGGATGGTGGCACCTACGACAAAGACAATCTGCTCATCCAGCATGCTGGAGCCAAGAAGGCCACTGG
GCAGGGCAGGCCAGAACAAGGTGTACCTGGGCCCCACGCCTTTCCAGGAGCTGCAGGACCTGCAGA
AGGACCTGGCCGTGGTGGAGCAGATCACCTCCTCATCAGCACCTTGATGGCACTTACCAGAATCTGAA
CATGACTGTGGCCCAAGACTGGTGCCTGGCGCTGCAGAGGCTGATGCGGGTGAAGGAGGAGGAGATTAC
TCGGCCAAACAAGTGCCGCTGAGGCTGCTGCTCCCGGGAAGCCAGACAAGTCTGGCCGGCCATCAGTT
TCATGGTGGTCTTCATACCCCCGAACCCCTGAGCAAGATTTCTGGGTCAACAGATTACACTTGGCAAA
GATTGGACTAAGGGAGGAGAACCAGCCAGGATGGCTGTGTCCCGATGAGGACAAGAAAAGCAAAGCCCCG
TTCTGGTGCCCCATCCTGGCCTGCTGCTCCCCGCTTTCTCCTCCCGACCCTCAGTCTGCAGCTGGGG
GCCTGGTCCACAGTCTGTTAACTCTCCCTGCTGGGCTTCTCGGCGTCAAGCACTTCCCTCCACAGGG
CTACCTTTGGGTTGGCGGTGGTCAAGGAGGTGCTGGTGGCCAGGTGGAGATCTTCTCCCTGAACCGCCT
TCAACCGCCACCGTCAAGTCTTCCAGTGGCGGCCCTGTGCTCTGCATAGAGTATATCCAGATCCGG
AGGAGGAGGCTGAGGGTGCAGAGGAGAGCCGGGCAGCCACCGATCCCTCGGTACAGTGCATCCCACTGT
CTGCCTTGGACTGCAGGATGGCAGCATCTACTGTATGGCAGTGTGGACACGGGTACCCAGTGCCTGGCC
ACCTGCAAGAGCCAGGCCCGCAGCCTGTGCTCTGCCTGCGTCAACAGCCCTTCTACCTGCTTGGCCGGC
TCCAGGACGGGACCCTCGCTGCCTATCCTCGGACCAGTGGTGACATTCCCTGGGACTGGAGAGCCCTCC
CATGTGCATAACTGTGGGCCAGGGCCGATTGAAACACTGCTGAGCCTGGAAGATGCTGCATGGGCCAGC
TGCGGGCCGAGGGTCACTGTACTAGATGCCGCCACTTTGCAAACCTCAGCAAAGCTTCGAGGCGCACCCAGG
ATGAGGCGGTGAGTGTCACTCACATGGTAAAGCCGGCAGCGGTGTCTGGATGGCCTTCTCCTCTGGCTC
TTCCATCCGCCTTTTACACGGAGACTCTGGAGCACCTTCAGGAGATCAACATCGCCACCAGGACCACC
TTCTCCTGCCAGGCCAAAAGCACCTATGTGTACCAGCCTCCTCATCTGCCAGGGTCTGCTCTGGGTAG
GCACTGACCAGGGTGTCAATTGCTCTGTTGCCTGTACCCCGACTGGAGGGCATCCCCAAGATCACAGGGAA
AGGCATGGTGTCTCTCAATGGTCACTGTGGACCTGTGGCCTTCTGGCTGTGGCCATGAGCATCCTGGCC
CCTGACATCCTGCGGAGTGACCAGGAAGAGGGCCGAGGGACCGCAGGCCGAGGAGGACAAGCCAGACGGGC
AGGCTCATGAAACCGTGCCTGGGCTGACAGCCACACAGCTCGGGAGCTGACCCGAAGAAAGGCATCCT
GCTCCAATACCGCTACGCTCCACGGCCACCTCCCCGGGCCCTGTTGTCTGTGCGGGAGCCAGCACCT
GCCGATGGCTCGGCTCTGGAACACAGTGAGGAGGACGGTCCATCTACGAGATGGCCGATGACCCTGACG
TCTGGGTCCGGAGCCGGCCCTGTGCCCGTATGCCACCGAAGGAGATCTGCTCTGTGGCTATCATCTC
TGGTGGACAAGGCTACCGCCATTTGGCGGTGCTCCAGGTGGCCTGAGTGGGCGGGCCCGCTGCAGC
GAGACAGACAGCACACTTCTCATCTGGCAGGTGCCCTTGGCTCTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA

Protein Sequence: >MR211882 representing NM_172415
 Red=Cloning site Green=Tags(s)

```

MASSNPPQPQAI G A P L A P S A P G P S P E V E E D S G E A F E F D D S D E E E D T S S G L V V P G L A P E R D T E P S L I C F D T
V P G S D L P A A A P P Q T E A P T V V S N G D A V G A A I S G V R R S S W K R K S S R R I D R F T F P A L E E D V I Y D D V P C E S P D
A H Q P G A E R G L V Y E D V H R A G A P R E T E D L G W S S E F E S Y S E D S G E E T K P E A E P T K H R G S F Q P K L S P D L T R L K
E R Y V R T K R D I L A L R V G G R D M Q E L K L K C D C K M T Q L M K A A K S G T R D G L E K T R M A V M R K V S F L H R K D V L G D S E
E E D M G L L E V G V T D I K P P A P E L G P M P D G L S P Q Q V V R R H I L G S I V Q S E G S Y V E S L K R I L Q D Y R N P L M E M E P K
A L S A R K C Q V V F F R V K E I L H C H S M F Q I A L S S R V A E W D S T E K I G D L F V A S F S K S M V L D V Y S D Y V N N F T N A M S
I I K K A C L T K P A F L E F L K R R Q V C S T D R V T L Y G L M V K P V Q R F P Q F I L L L Q D M L K N T P R G H P D R L S L Q L A L T E
L E T L A E K L N E Q K R L A D Q V A E I Q Q L T K S V S D R S S L N K L L T S G Q R Q L L L C E T L T E T V Y G D R G Q L I K S K E R R V
F L L N D M L V C A N I N F K G Q L E I S S L V P L G P K Y V V K W N T A L P Q V Q V V E V G Q D G G T Y D K D N L L I Q H A G A K K A T A
A G Q A Q N K V Y L G P P R L F Q E L Q D L Q K D L A V V E Q I T L L I S T L H G T Y Q N L N M T V A Q D W C L A L Q R L M R V K E E E I H
S A N K C R L R L L P G K P D K S G R P I S F M V V F I T P N P L S K I S W N R L H L A K I G L R E E N Q P G W L C P D E D K K S K A P
F W C P I L A C C V P A F S S R T L S L Q L G L V H S P V N S P L L G F S A V S T S L P Q G Y L W V G G G Q E G A G G Q V E I F S L N R P
S P R T V K S F P V A A P V L C I E Y I P D P E E E A E G A E S R A A T D P S V T V H P T V C L G L Q D G S I L L Y G S V D T G T Q C L A
T C K S P G P Q P V L C L R H S P F Y L L A G L Q D G T L A A Y P R T S G D I P W D L E S P P M C I T V G P G P I R T L L S L E D A A W A S
C G P R V T V L D A A T L Q T Q Q S F E A H Q D E A V S V T H M V K A G S G V W M A F S S G S S I R L F H T E T L E H L Q E I N I A T R T T
F L L P G Q K H L C V T S L L I C Q G L L W V G T D Q G V I V L L P V P R L E G I P K I T G K G M V S L N G H C G P V A F L A V A M S I L A
P D I L R S D Q E E A E G P Q A E E D K P D G Q A H E T V P G P D S H T A R E L T R K K G I L L Q Y R L R S T A H L P G P L L S V R E P A P
A D G S A L E H S E E D G S I Y E M A D D P D V W R S R P C A R D A H R K E I C S V A I I S G G Q G Y R H F G G A P G G L S G R A A P C S
E T D S T L L I W Q V P L A L
  
```

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9096_d02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

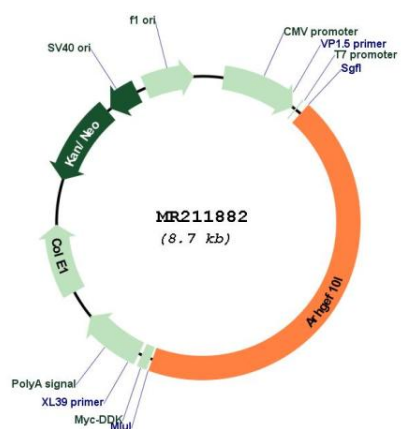


ACCN: NM_172415

ORF Size: 3825 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:	<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:	NM_172415.3 , NP_766003.3
RefSeq Size:	4525 bp
RefSeq ORF:	3828 bp
Locus ID:	72754
UniProt ID:	A2AWP8
Cytogenetics:	4 D3
MW:	139.4 kDa
Gene Summary:	Acts as guanine nucleotide exchange factor (GEF) for RHOA, RHOB and RHOC. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR211882