

Product datasheet for **MC224636**

Arhgef40 (NM_198249) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Arhgef40 (NM_198249) Mouse Untagged Clone
Tag: Tag Free
Symbol: Arhgef40
Synonyms: E130112L23Rik; Gm669; Solo
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC224636 representing NM_198249
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGAGCCTGAACCAGTGGAGGACTGTGTGCAGAGCACGCTTGTGCCTGTACCCGCCCTTTGAAGCCA
CAGCCCCAACCCCTGTTGGGCCAGGTGTTCCAGGTGGTGGAGAGGACGTACCAGGAGGATGCGCTGAGGTA
CAGCTGGACTTCTGGTACCTGCTAAACACCTGCTTGCCAAGGTCCAGCAGGAAGCCTGTGCCAGTAT
AGTGGATTCTCTTCTCCACGAGGGCTGGCCACTCTGCTTGATGAGCAGGTGGTGTAGTGCAGTACGCG
CCCTTCCCTGGCAGCTGCTGCGCCCTGGAGACTTCTACCTGCAGGTAGTGCCTTCAGCAGCCAGGCACC
CCGGCTGGCACTGAAATGCCTGGCCCCAGGAGGTGGGCGGTACAGGAGCTCCCAGTGCCAGTGAAGCC
TGTGCCTACCTCTTACACCTGAGTGGCTACAAGGCATTAACAAGGACCGGCCAACAGGGCGCCTCAGCA
CCTGCCTTCTGTCCGCCCTCCGGATCCAGCGGCTGCCCTGGGCTGAGCTCGTCTGCCACGATTTGT
GCACAAAGAGGGCCTCATGGTGGGACATCAACCAAGTACATTGCCTCCAGAACTGCCCTTGACCTCCA
GGTCTTCCAGCTCTCCACTCCCTGAGGAGTACTTGGTACCCGGAGTCTGGGGATGGACACAACGCTC
CCGCAGAAGTCCCAGGGTGAATATGTGGAGCTGTTGGAGGTGACACTGCCTGTGAGGGGAAGCCCTGT
AGATGCTGAGGCCTCGGGCCTCTCCCGACCCGCACAGTACCCGCCGTAAAGACACTGGAGGGAAGGGC
CGGCACCGGAGACACAGGGCTGGATGAATCAGAAAGGCCTGGGATCTCGGGATCAGGATGGGACCGGC
CGCCTGGTGGGGAAGTAGCACCAGGGCCTCTCCGACTCACCTTCAGGGCTGAGGCAGACCCAGATGC
CACCGCCCTCCAGGCATCTGAGCCCCGGCAGAGGCTCTCGGGAAGCCCTGAATCCTGCCTCTGTCA
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GAAACAGAAGAAGAAGCGAGCTGCGGGCAGAGGCGTGAAGCCGGGAGGGGAGGGTACCTCACTCAG
CCCCAGGGACAAGAAGAGACCAGACAGCAGGAAGTCTTGTGAGTCTGCCCTCACCCAGTGAACAGGAA
CCTGCAGAATGCAGCCTGGTTAAGGAGAAAGAGGATTCTGGGAAGCAAGTCTGAATCAAAGAGGAAC
TCAAGCCAGCAGATGAAAAGAGCCTGCACGCCAGAAGACTATGAGCCTCCAGAAGAGGAGATCAGAGA
GAGTGAGAAAGAGGAGTTGACCCCGCAGTGTACGGCAGGATCCACAGGTCCAGAGTGGTTCCCATCTGAG
CCCTCAACACAGCCCCTGGAGACTGTGCAGAATGTTAAAGGAGACAGCCTCCAGAGGAACTCCCCAG



TTTCTGTTTTGGATGACCCAGTTGTAGCTGGGACTTGATGGCATCTGGATTCTTCGTTCTGACTGGAGG
 GGTAGATCAGACTGGGCGAGCTCTGCTGACAATCACGCCTCCACCTCCGTGCCTTCTGAGGAGTCTCA
 CCCTCCCAAGAGACACTGAGCACTGCTCTCCGTTACCTCCACTACTGCTTAGGCCTGATCTGCAGTTAC
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 GCTGAACCTCTGTGGATTCAGGGAGCTGAGTTGCTGTGAGAGAAGGATCTGAAAAGAGTGGCCAAGCCAG
 AGGAGTACAGTGGGACTTAGGAGGTACAGGGACCTCTCCCCAACCACTGGGCAGAGATACATCAGGA
 AGTGGCAAGGCTATGCACCTTGTGCAAGGCGTGTGACCTCCGTACGGCAGGCCATTGAGGAGCTAGAG
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 GAACCCAGTGCAGGCACCTTCCAAGAGATGCGAGCCCTGGCCCTGGACTTGGGCAGCCCCGAGCCCTTC
 GAGAGTGGGGCCGATGTCGGGCACGCTGCCAGGAGCTGGAAGAAGGATTGAGCAGCAGCTGGGAGAGGA
 GGCCAGTCTAGAAGCCACCGACGCTCGGGCAGCAGTGCAGCAGCGCAGGGGCCAGCAGCGGAGCC
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 ATTGCTCTGACCCATGTGGGAGGATTATGAGGAAGAAGGCCTTGAAGTCCAGAAACAGATGG
 AAGACCCCAAGGGCTGTGCTAATCCGAGGACTGGAGTCCAGTACTGAAGTGTAGCAGGACATGT
 TCGCCCCGAGAACACGTACTATTGGGCCGGCTGGAGGGCCAGATGGACCTGGGGAATAGGTACCCCTC
 GAATGGAACGCAACGAAGCATCAGCGCCAGCAGCGTCTAGTGTCTGAACTGATTGCCTGTGAGCAGGA
 GTACGTAACCACCCTGAATGAGCCAGTGGCCTGCCTGGGCTGAGCTAACGCCTGAGCTTCGATGCACC
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 AGGGCTGCGCCGCCACCCCTGCGCATGGGGCTGCTTCTTCCGATGGGGATCAGTTCAACCTCTA
 TGCACAGTTCGTGAAGCACAGGCATAAACTGGAGAGTGGTCTGGCTGCGCTACCCCTCGGTCAAGGGT
 TCCATGGAGAGCAGCCCTGCTTGCCTGGCCCTGCAGCAGCCACTGGAGCAGCTGGCTCGGTATGGAC
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 AGTGCCTCCGCCAGTCTTCTGTTTGGAGACCTGCTCTTATTACGAAGCTCAAGGGATCTGAAGGAGG
 ATCCGAGACCTTCGTTTACAAGCAGGCTTCAAGACCGCTGACATGGGGCTGACAGAAAACATCGGGGAC
 AGTGGACTCTGTTTGAAGTATGGTTTCGACGACGGCGTGAAGAGAAGCATACAGTTCGAGGCTACTT
 CGCCAGAGACAACTCAAGTGGACAAGTTCTATTGCCAGCTGCTGTGGAGACAGGCAGCCACAACAA
 GGAACCTCGAGTGCAGCAGATGGTTTCCATGGCATTGGGAATAAACCTTCTGAGCATTAAAGCCCTT
 GGGGAACGGACACTGAGTGCCCTGCTCACTGGAAGAGCCGCCACCCGGCCCTCCGTAGCGGTGTCAT
 CCTTTGAACATGCTGGCCCGTCCCTTCCGGCCTCTACCGGGAGCCTGCTCCCTGCCTGCCCGCTCGA
 GGAGGAGGCTGGATCTGGACGTCAAGCAGATTTCCCTGGCCTCAGAAACACTTGATTCTTCTGGAGAT
 GTGTCCCCAGGACCAGAAAACAGCCCAGCCTGCAGCCCCCAGCCCTGGGAGCAGTACTCCGCTCTGA
 CCAGTGGAGGGATCTTAGGGCTCTCTCGCAGAGTCATCCCGAGCCCTGAGTGACCCACCACGCTCT
 GTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAAGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_198249
Insert Size: 4554 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:	<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_198249.4 , NP_937892.2
RefSeq Size:	5622 bp
RefSeq ORF:	4554 bp
Locus ID:	268739
UniProt ID:	Q3UPH7
Cytogenetics:	14 C2
Gene Summary:	May act as a guanine nucleotide exchange factor (GEF).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longest transcript and it encodes the longest protein (isoform 1).