

Product datasheet for MR205173

Arhgef39 (NM_001013377) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arhgef39 (NM_001013377) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Arhgef39
Synonyms:	E130306D19Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205173 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGAGTTCGGGATCCGCCGGTCTGCCGGTCTACAGCAGCGTGCTCGTTGGAAACGAAACGTG
TCTGCACCGCTCGGGAGCTGCTGGAGACCGAGCGACGCTACCAGGAACAACGGGGCTGGTGCCACGTA
CTTCTGCGGATCCTGAAAGCCAAAGGAACACTACGACTACCAGAACTCCAGACCCTGTTGGGACCTGG
GAGCTCATCTATGCCGCCAGCCTAGAGCTGCTCCCTATCTGGAAGAAGGGCAGTGGGGACTGGGGTAC
AGGGCTTCTGCCCCACCTGGAGCTCTACGCCAATTTGCTGCCAACGCAGAGAGATCTCAGACTACCT
TCAGGCGCAGCTGAAGAAGAATAAGCGTTTTCCGAGGTTCTGTAAGCTTCAGGAAGTCCGCCTGAATTT
AGGGGTCTTCAGCTCCAGGACCTGCTCCCTCTGCCTCTGCAGCGGCTCCAACAGTACGAGAATCTTGTCG
TGGCTTTGGCTGAGAACACAGTCCCAACAGCCCTGACTACCAGCAGCTCACACGGGCTGCTCGCCTGGT
AAGTGAGACGGCCAGAAGGTCCACGCCATCGCCAGAGTCAAGAAGATGATCAGCATCTGCTGCGTGTC
CAGGCTCTACTCAGTGGGCGCAAGGCAAAAGGGCTGACTTCAGGCCGCTGGTTCCTACGGCAGGGCTGGC
TTTTAGTGGTGCCTCCCACTGGGGAGCCTCGGCCCGGATGTTCTTCTTTCTCCGACGTGCTCCCTCAT
GGCCAAGCCTCGGCCCACTGCACCTGCTGAAGAGTGGCACCTTTGTCTGCAGAGCCCTGTACCCTATG
TCCCAGTGCACCTTAGCAGGGTCTTTGGCCATTCGGGAGGACCTTGTTGGTGGTTTCTCAGTCTGTCCT
TTCCCATGAGAAGCTACTGCTTATGTCTACTGACCAGGAGGAGCTGTACAGTGGCACCACAGCCTGAC
TCTGGCTATCAGAAGCCAGAAGAGCTCGACCCACAGAAGTGTCACTGCAACA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR205173 protein sequence
Red=Cloning site Green=Tags(s)

MESSGSAACCPVLQQRARWERKRVCTARELLETERRYQEQLGLVATYFLRILKAKGTLRLPELQTLFGTW
 ELIYAASLELLPYLEEGQWGLGLQGFCHLELYAQFAANAERSQTTLQAQLKKNKRRFRVVKLQEGRPEF
 RGLQLQDLLPLPLQRLQYENLVVALAENTVPNSPDYQQLTRAARLVSETAQKVHAIGSQKNDQHLLRV
 QALLSGRKAKGLTSGRWFLRQGWLLVVPPTGEP RPRMFLFSDVLLMAKPRPPLHLLKSGTFVCRALYPM
 SQCHLSRVFGHSGGPCGGLLSLSPHEKLLLMSTDQEELSQWHHSLTLAIRSQKSSSTHRSVTAT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001013377

ORF Size: 1035 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: [NM_001013377.1](#), [NP_001013395.1](#)

RefSeq Size: 1650 bp

RefSeq ORF: 1035 bp

Locus ID: 230098

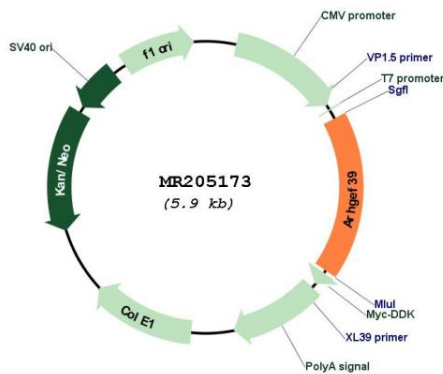
UniProt ID: [Q66JY6](#)

Cytogenetics: 4 A5

MW: 39.1 kDa

Gene Summary: Promotes cell proliferation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR205173