

Product datasheet for **MC217365**

Arhgef9 (NM_001033329) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arhgef9 (NM_001033329) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Arhgef9
Synonyms:	9630036L12Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC217365 representing NM_001033329
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTATGACCTGATCACTGGAGATTCCATCGTTAGTGCTGAGGCAGTATGGGATCACGTACCATGGCCA
 ACCGGGAGTTGGCATTAAAGGCTGGCGACGTCAAAAGTCTTGATGCTTCCAACAAGGATTGGTGGTG
 GGGCCAGATCGACGATGAGGAGGGATGGTTTCTGCCAGCTTTGTGAGGCTCTGGGTGAACCAGGAGGAT
 GGGGTGGAGGAAGGGCCAGTGATGTGCAGAATGGGCACCTGGACCCCAACTCAGACTGCCTTTGTCTGG
 GCCGGCCACTACAGAACCGGGACCAGATCGGGCCAATGTCATCAATGAGATCATGAGCAGCGAGCGCCA
 TTACATCAAGCACCTCAAGGACATTTGCGAGGGCTACCTGAAGCAGTGCCGAAAGAGAAGGGACATGTT
 AGTGACGAGCAGTGAAGTTCATCTTTGAAACATTGAAGACATATACAGATTTAGATGGGCTTCGTGA
 GAGACCTGGAGAAGCAGTACAACAATGATGATCCCCACCTCAGTGAAGACCTGCTTCTTAGAGCA
 TCAAGATGGATTCTGGATATACTCTGAATATTGTAACAACCACCTGGATGCCTGCATGGAATCTCCAAG
 CTGATGAAGGACAGCCGCTATCAACACTCTTTGAGGCTGCGCCTCTTGCAGCAGATGATCGACATTG
 CTATTGATGGTTTTCTTTGACTCCAGTACAGAAGATCTGCAAAATATCCCTTACAATTGGCCGAGCTCT
 AAAGTATACTGCCAAGATCACAGTGATTACAGATACGTTGCAGCTGCTTTGGCTGTGATGAGAAATGTG
 ACTCAGCAGATCAATGAACGCAAGCGACGCTCTGGAGAATATTGACAAGATTGGCGAATGGCAGGCCCTCTG
 TCCTAGACTGGGAGGGAGAGGACATCTTAGACAGGAGCTCGGAGCTGATCTACACTGGAGAGATGGCCTG
 GATCTACCAGCCCTAATCCGGAGAGACATCTATACTACAAGGGCGCATTGACATGGATAAAATGAGGTAA
 TTGACATCGAAGATGGCAGAGATGATGACTTTAATGTCAGCATGAAAAATGCTTTCAAGCTTCATAACAA
 GGAAACGGGAAGAAGTGCATCTGTTCTTTGCCAAGAACTGGAGGAGAAAAATACGTTGGCTTAGAGCTTTC
 AGAGAAGAGAGAAAAATGGTACAAGAAGATGAAAAAATTGGCTTTGAGATTTCTGAAAAATCAGAAGAGAC
 AGGCTGCAATGACTGTGAGAAAAGCTTCTAAACAGAAAAGGTGCAACTCTGCCCGCTCAGTTCCTCCTTC
 CTACCCACCACCAGGACCCGTTAAACCAGGGCCAGTACCTGGTCCCCGATGGCATCGCTCAGTCTCAA
 GTGTTTGAGTTCAGTGAACCGAAACGCAGCCAGTACCATTCTGGCAAACTTCAGTAGGTTAACCCCT
 TCAAAAA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001033329

Insert Size: 1551 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:

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_001033329.3](#), [NP_001028501.1](#)

RefSeq Size: 5086 bp

RefSeq ORF: 1551 bp

Locus ID: 236915

UniProt ID: [Q3UTH8](#)

Cytogenetics: X C3

Gene Summary: Acts as guanine nucleotide exchange factor (GEF) for CDC42. Promotes formation of GPHN clusters (By similarity).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) encodes the longer isoform (a).