

Product datasheet for **RN200881**

Arhgef9 (NM_023957) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arhgef9 (NM_023957) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Arhgef9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN200881 representing NM_023957
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGCAGTGGATTAGAGGCGGATCGGAATGCTGATCACTGGAGATTCCATCGTTAGTGCTGAGGCAGTAT
 GGGATCACGTACCATGGCCAACCGGGAGTTGCATTTAAGGCTGGCGACGTATCAAAGTCTTGATGC
 TTCCAACAAGGATTGGTGGTGGGCGCAGATCGACGATGAGGAGGATGGTTTCCTGCCAGCTTTGTGAGG
 CTCTGGGTGAACAGGAGGATGGGTGGAGGAAGGGCCAGTGACGTGCAGAATGGGCACCTGGACCCCA
 ACTCAGACTGCCTCTGTCTGGGCGGCCACTACAGAACCGGGACCAGATGCGGGCCAATGTCATCAATGA
 GATCATGAGCACGGAACGTCATTACATCAAGCATCTCAAGGACATTTGCGAGGGGTACCTGAAGCAGTGC
 CGAAAGAGAAGGGACATGTTCAAGTATGAGCAGCTGAAAGTCATCTTTGAAACATTGAAGACATCTACA
 GATTTTCAGATGGGCTTCGTGAGAGACTTGAGAAGCAGTACAACAATGATGACCCCACTCAGCGAGAT
 AGGACCCTGCTTCTTGAGCATCAAGATGGCTTCTGGATATACTCTGAGTATTGTAACAACACCTGGAT
 GCCTGCATGGAGCTCTCCAACTGATGAAGGACAGCCGCTATCAACACTTCTTTGAGGCCTGCCGCTCT
 TGCAGCAGATGATCGACATCGCTATCGATGGTTTTCTTTGACTCCAGTACAGAAGATCTGCAAAATACCC
 CTTACAATTGGCCGAGCTCCTAAAGTATACTGCCAAGACCACAGTGATTACAGATATGTCGAGCTGCT
 TTGGCTGTGATGAGAAATGTGACTCAGCAGATCAATGAACGCAAGCGACGTCTGGAGAATATTGACAAGA
 TTGCTCAATGGCAGGCCTCTGTCTAGACTGGGAGGAGATGACATCTTAGACAGGAGCTCGAACTGAT
 CTACACTGGAGAGATGGCCTGGATCTACCAGCCCTATGGCCGCAACCAGCAGAGAGTCTTCTTCTGTTT
 GACCACCAGATGGTCTCTGCAAGAAGGACCTAATCCGAGAGACATCTATACTACAAGGGGCGCATTG
 ACATGGATAAATATGAGGTCATTGACATTGAAGATGGCAGAGATGATGACTTTAATGTCAGCATGAAAAA
 TGCTTTCAAGCTGCACAACAAGGAAACCGAAGTACATCTGTTCTTTGCCAAGAACTGGAGGAGAAA
 ATACGTTGGCTTAGAGCTTTAGAGAAGAGAGGAAAAATGGTACAAGAAGATGAAAAAATTGGCTTTGAGA
 TTTCTGAAATCAGAAGAGACAGGCTGCAATGACTGTGAGAAAAGCGTCTAAACAGAAAGGTAGGGTTGG
 AGAGGAAGAGAACCAAGTCTAGAACTGAAAAGAGCTTGTGAGGTTCTTCAGAGATTATGGTCTCTGGA
 AAGAAATCCT**AA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_023957

Insert Size: 1482 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:	<u>NM_023957.1, NP_076447.1</u>
RefSeq Size:	3787 bp
RefSeq ORF:	1482 bp
Locus ID:	66013
UniProt ID:	<u>Q9QX73</u>
Cytogenetics:	Xq22
Gene Summary:	Acts as guanine nucleotide exchange factor (GEF) for CDC42. Promotes formation of GPHN clusters.[UniProtKB/Swiss-Prot Function]