

Product datasheet for **MC224839**

Arhgef28 (NM_012026) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arhgef28 (NM_012026) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Arhgef28
Synonyms:	9230110L08Rik; AI323540; D13Bwg1089e; p190RhoGEF; Rgnef; RhoGEF; Rhoip2; RIP2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC224839 representing NM_012026 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGC**

ATGGAGTTGAGCTGCAGTGAAGTGCCTCTTTATGGACAGAAGACGGTCTATGCAAAGTTGGCAAAAACG
TGTATCTACCCGAAGATGCGGAGTTTACTTTGTTTATGGCGGGTCGCATCAGAGGCACGTGGTATTGC
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AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-RsrII
ACCN:	NM_012026
Insert Size:	5103 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_012026.2 , NP_036156.2
RefSeq Size:	6259 bp
RefSeq ORF:	5103 bp
Locus ID:	110596
UniProt ID:	P97433
Cytogenetics:	13 51.6 cM
Gene Summary:	Functions as a RHOA-specific guanine nucleotide exchange factor regulating signaling pathways downstream of integrins and growth factor receptors. Functions in axonal branching, synapse formation and dendritic morphogenesis. Functions also in focal adhesion formation, cell motility and B-lymphocytes activation. May regulate NEFL expression and aggregation and play a role in apoptosis.[UniProtKB/Swiss-Prot Function]