

Product datasheet for MR211871

Arhgap29 (NM_172525) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arhgap29 (NM_172525) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Arhgap29
Synonyms:	6720461J18Rik; A830014I19; AU040217; B130017I01Rik; C76601; Parg1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR211871 representing NM_172525 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

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GCTGGTGAATGATGTCAGGAAGTCTCCCATATGTTGCTATATTTGAAAGAAGCTATTCTTTCAGACTGT
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR211871 representing NM_172525
 Red=Cloning site Green=Tags(s)

MIAHKQKKAKKKRVWASGQPSAAITSEMGLKSVSSSSFDPEYIKELVNDVRKFSHMLLYLKEAILSDC
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 TGNNRDHPGSKAHAEPARAAGDVSERRSSDSCPATAVRAPRTLQPHWTTFYKPPNPTFSVRGTEEKAL
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 EIPQFV

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9047_e10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

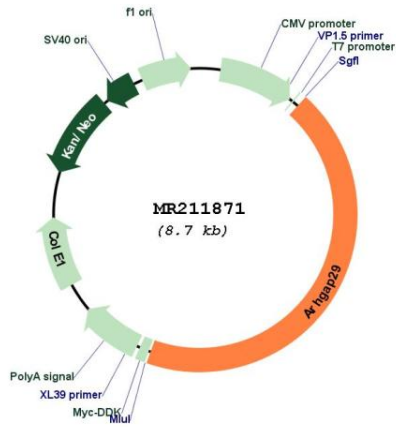


ACCN: NM_172525

ORF Size: 3798 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:	<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_172525.3
RefSeq Size:	5133 bp
RefSeq ORF:	3801 bp
Locus ID:	214137
UniProt ID:	Q8CGF1
Cytogenetics:	3 G1
MW:	142.8 kDa
Gene Summary:	GTPase activator for the Rho-type GTPases by converting them to an inactive GDP-bound state. Has strong activity toward RHOA, and weaker activity toward RAC1 and CDC42. May act as a specific effector of RAP2A to regulate Rho (By similarity). In concert with RASIP1, suppresses RhoA signaling and dampens ROCK and MYH9 activities in endothelial cells and plays an essential role in blood vessel tubulogenesis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR211871