

Product datasheet for MR202112

Arhgdia (NM_133796) Mouse Tagged ORF Clone

Product data:

OriGene Technologies, Inc.

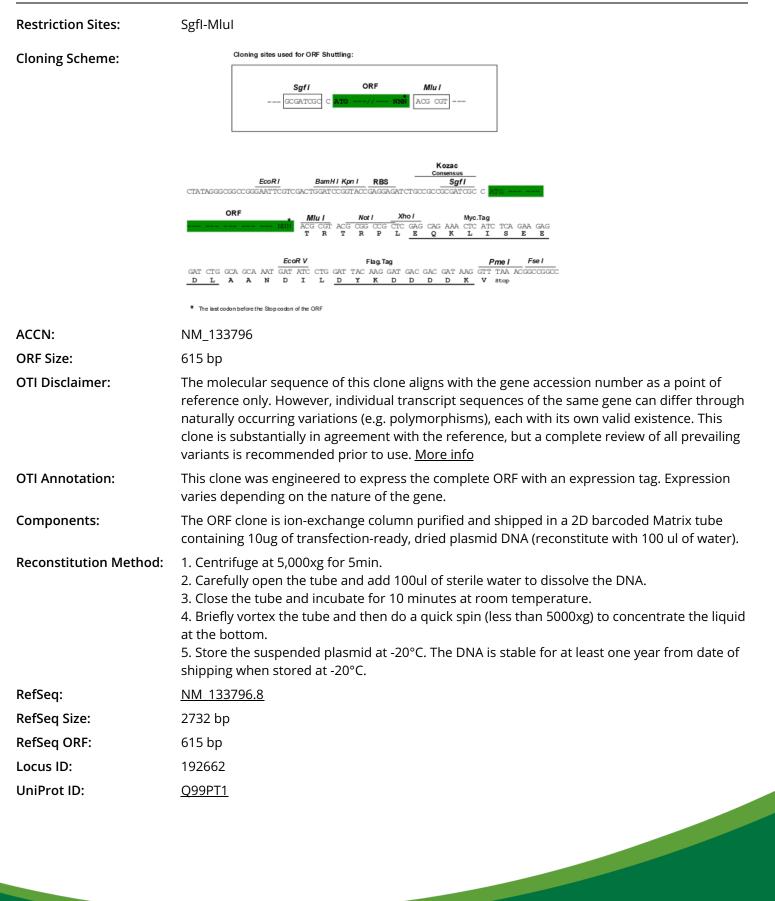
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Product Type:	Expression Plasmids
Product Name:	Arhgdia (NM_133796) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Arhgdia
Synonyms:	5330430M07Rik; Gdi-1; Rho-GDI; RhoDGI; RhoGDI-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR202112 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C
	ATGGCAGAACAGGAACCCACTGCTGAGCAGCTTGCGCAGATAGCTGCAGAGAATGAGGAAGATGAGGAACT CTGTGAACTACAAGCCTCCAGCCCAGAAGAGCATCCAGGAGATCCAGGAACTGGACAAGGACGATGAAAG CCTCCGAAAGTACAAGGAGGCCCTGCTGGGCCGAGTAGCTGTCTCTGCAGACCCCAACGTCCCCAATGTC ATTGTGACTCGACTGACCTTGGTATGCAGCACTGCCCCAGGCCCTCTGGAACTGGACCTGACAGGTGATC TGGAGAGCTTCAAGAAACAGTCGTTTGTCTTGAAGGAAGG
	ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAG GTTTAA
Protein Sequence:	>MR202112 protein sequence Red=Cloning site Green=Tags(s)
	MAEQEPTAEQLAQIAAENEEDEHSVNYKPPAQKSIQEIQELDKDDESLRKYKEALLGRVAVSADPNVPNV IVTRLTLVCSTAPGPLELDLTGDLESFKKQSFVLKEGVEYRIKISFRVNREIVSGMKYIQHTYRKGVKID KTDYMVGSYGPRAEEYEFLTPMEEAPKGMLARGSYNIKSRFTDDDKTDHLSWEWNLTIKKEWKD
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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GRIGENE Arhgdia (NM_133796) Mouse Tagged ORF Clone – MR202112

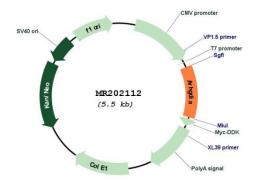


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Cytogenetics:	11 E2
MW:	23.4 kDa
Gene Summary:	Controls Rho proteins homeostasis. Regulates the GDP/GTP exchange reaction of the Rho proteins by inhibiting the dissociation of GDP from them, and the subsequent binding of GTP to them. Retains Rho proteins such as CDC42, RAC1 and RHOA in an inactive cytosolic pool, regulating their stability and protecting them from degradation. Actively involved in the recycling and distribution of activated Rho GTPases in the cell, mediates extraction from membranes of both inactive and activated molecules due its exceptionally high affinity for prenylated forms. Through the modulation of Rho proteins, may play a role in cell motility regulation. In glioma cells, inhibits cell migration and invasion by mediating the signals of SEMA5A and PLXNB3 that lead to inactivation of RAC1.[UniProtKB/Swiss-Prot Function]

Product images:

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Circular map for MR202112

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