

Product datasheet for RC214157

RHOG (NM_001665) Human Tagged ORF Clone

Product data:

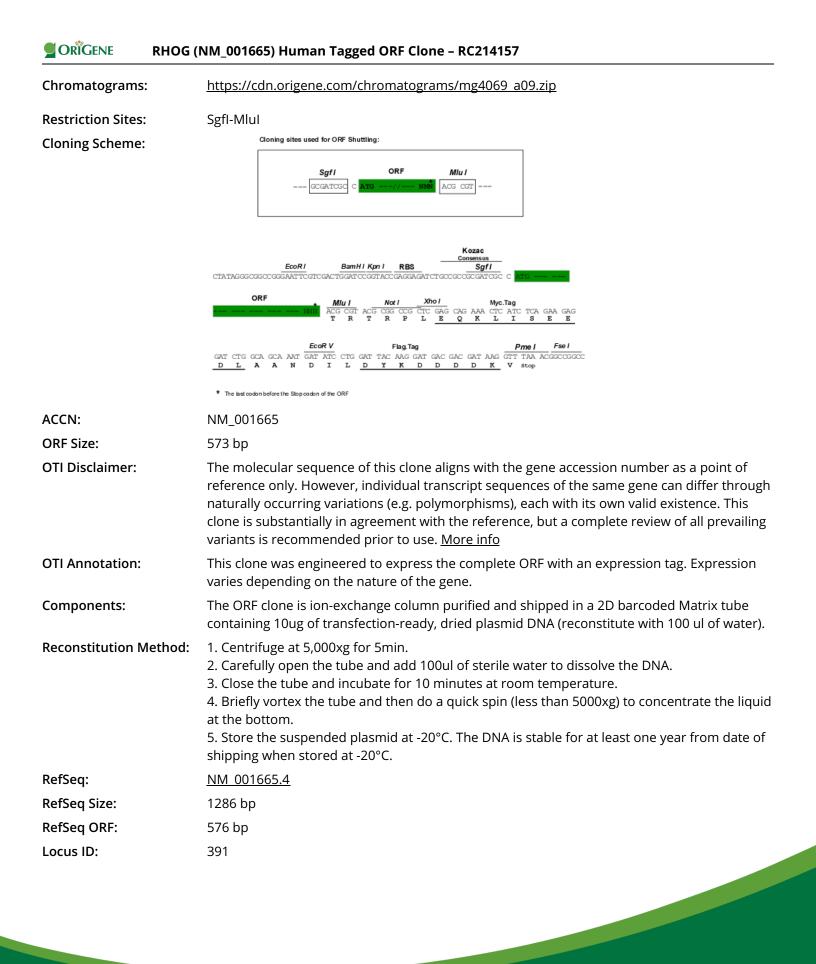
OriGene Technologies, Inc.

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Product Type:	Expression Plasmids
Product Name:	RHOG (NM_001665) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RHOG
Synonyms:	ARHG
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	<pre>>RC214157 representing NM_001665 Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC
	ATGCAGAGCATCAAGTGCGTGGTGGTGGTGGTGGGGGTGATGGGGCTGTGGGCAAGACGTGCCTGCTCATCTGCTACA CAACTAACGCTTTCCCCAAAGAGTACATCCCCACCGTGTTCGACAATTACAGCGCGCAGAGCGCAGTTGA CGGGCGCACAGTGAACCTGAACCTGTGGGGACACTGCGGGGCCAGGAGGAGTATGACCGCCTCCGTACACTC TCCTACCCTCAGACCAACGTTTTCGTCATCTGTTTCTCCATTGCCAGTCCGCCGTCCTATGAGAACGTGC GGCACAAGTGGCATCCAGAGGTGTGCCACCACTGCCCTGATGTGCCCATCCTGCTGGTGGGGACCAAGAA GGACCTGAGAGCCCAGCCTGACACCCTACGGCGCCTCAAGGAGCAGGGCCAGGCCCATCACACCGCAG CAGGGCCAGGCACTGGCCAAGCAGATCCACGCTGTGCGCTACCTCGAATGCTCAGCCCTGCAACAGGATG GTGTCAAGGAAGTGTTCGCCGAGGCTGTCCGGGCTGTGCTCAACCCCACGCCGATCAAGCGTGGGGCGGTC CTGCATCCTCTTG
	ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAG GTTTAA
Protein Sequence:	<pre>>RC214157 representing NM_001665 Red=Cloning site Green=Tags(s)</pre>
	MQSIKCVVVGDGAVGKTCLLICYTTNAFPKEYIPTVFDNYSAQSAVDGRTVNLNLWDTAGQEEYDRLRTL SYPQTNVFVICFSIASPPSYENVRHKWHPEVCHHCPDVPILLVGTKKDLRAQPDTLRRLKEQGQAPITPQ QGQALAKQIHAVRYLECSALQQDGVKEVFAEAVRAVLNPTPIKRGRSCILL
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV



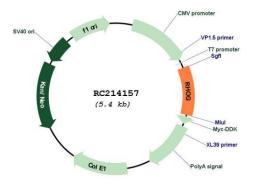
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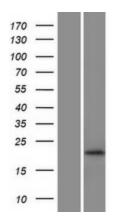
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	RHOG (NM_001665) Human Tagged ORF Clone – RC214157
UniProt ID:	<u>P84095</u>
Cytogenetics:	11p15.4
Domains:	ras
MW:	21.1 kDa
Gene Summary:	This gene encodes a member of the Rho family of small GTPases, which cycle between inactive GDP-bound and active GTP-bound states and function as molecular switches in signal transduction cascades. Rho proteins promote reorganization of the actin cytoskeleton and regulate cell shape, attachment, and motility. The encoded protein facilitates translocation of a functional guanine nucleotide exchange factor (GEF) complex from the cytoplasm to the plasma membrane where ras-related C3 botulinum toxin substrate 1 is activated to promote lamellipodium formation and cell migration. Two related pseudogene have been identified on chromosomes 20 and X. [provided by RefSeq, Aug 2011]

Product images:



Circular map for RC214157



Western blot validation of overexpression lysate (Cat# [LY419815]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC214157 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

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