

Product datasheet for RC208935

TC10 (RHOQ) (NM_012249) Human Tagged ORF Clone

Product data:

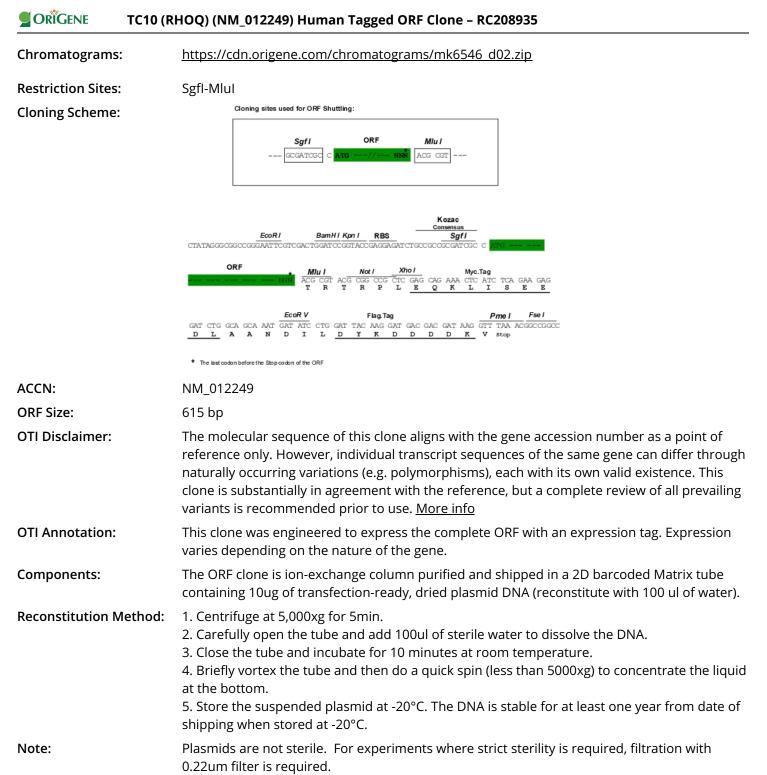
OriGene Technologies, Inc.

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pression Plasmids
10 (RHOQ) (NM_012249) Human Tagged ORF Clone
yc-DDK
10
RHQ; HEL-S-42; RASL7A; TC10; TC10A
eomycin
MV6-Entry (PS100001)
namycin (25 ug/mL)
C208935 ORF sequence d=Cloning site Blue=ORF Green=Tags(s)
TTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC C <mark>GCGATCGC</mark> C
GGCTCACGGGCCCGGCGCGCTGATGCTCAAGTGCGTGGTGGTCGGCGACGGGGGGGG
AAGGATGACGACGATAAGGTTTAA C208935 protein sequence d=Cloning site Green=Tags(s)
HGPGALMLKCVVVGDGAVGKTCLLMSYANDAFPEEYVPTVFDHYAVSVTVGGKQYLLGLYDTAGQEDY LRPLSYPMTDVFLICFSVVNPASFQNVKEEWVPELKEYAPNVPFLLIGTQIDLRDDPKTLARLNDMKE ICVEQGQKLAKEIGACCYVECSALTQKGLKTVFDEAIIAILTPKKHTVKKRIGSRCINCCLIT
TRPL EQKLISEEDLAANDILDYKDDDDK V



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 RefSeq:
 NM 012249.4

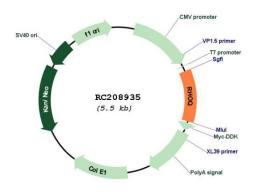
 RefSeq Size:
 4542 bp

RefSeq Size:4542

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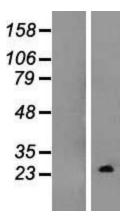
	C10 (RHOQ) (NM_012249) Human Tagged ORF Clone – RC208935
RefSeq ORF:	618 bp
Locus ID:	23433
UniProt ID:	<u>P17081</u>
Cytogenetics:	2p21
Domains:	ras, RAS, RHO, RAB
Protein Pathways:	Insulin signaling pathway
MW:	22.7 kDa
Gene Summary:	This gene encodes a member of the Rho family of small GTPases, which 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 is an important signalling protein for sarcomere assembly and has been shown to play a significant role in the exocytosis of the solute carrier family 2, facilitated glucose transporter member 4 and other proteins, possibly acting as the signal that turns on the membrane fusion machinery. Three related pseudogene have been identified on chromosomes 2 and 14. [provided by RefSeq, Aug 2011]

Product images:



Circular map for RC208935

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Western blot validation of overexpression lysate (Cat# [LY415876]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC208935 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

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