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Product datasheet for RC239598

FLJ10357 (ARHGEF40) (NM_001278529) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FLJ10357 (ARHGEF40) (NM_001278529) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FLJ10357
Synonyms:	SOLO
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

ORF Nucleotide Sequence:

>RC239598 representing NM_001278529
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCCAAGCCACTGCAGAAGGTGCTGGCAGATCCCCGGCTGACGGCACTGCAGAGGGATGGGGGGGCCA
TCCTGATGAGGCTGCGCTCCACTCCCAGCAGCAAGCTGGAGGGCCAAGGCCCAGCTACACTGTATCAGGA
AGTGGACGAGGCCATTCACCAGCTTGTGCGCCTCTCCAACCTGCACGTGCAGCAGCAAGAGCAGCGGCAG
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CCAGGAGCGCCTGGCCCAGGCACGGGAGGCCCTGGCTCTGGAGGAGAATGCCACCTCCCAGAAGGTGCTG
GATATCTTTGAACAGCGGCTGGAGCAGGTTGAGAGTGGCCTCCATCGGGCCCTGCGGCTACAGCGCTTCT
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CAGCAGCCTCTGGAACAGCTGACTCGGTATGGGCGGCTCCTGGAGGAGCTCCTGAGGGAAGCTGGGCCTG
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ATGCTCGAGCCCTGAGTGACCCCACCACGCCTCTG

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ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC239598 representing NM_001278529
Red=Cloning site Green=Tags(s)

MPKPLQKVLADPRLTALQRDGGAILMRLRSTPSSKLEGQGPATLYQEVDEAIHQLVRLSNLHVQQQEQRQ
CLRRLQQVLQWLSGPGEEQLASFAMPGDTLSALQETELRFRAFSAEVQERLAQAREALALEENATSQKVL
DIFEQRLEQVESGLHRALRLQRFFQQAHEWVDEGFARLAGAGPGREAVLAALALRRAPEPSAGTFQEMRA
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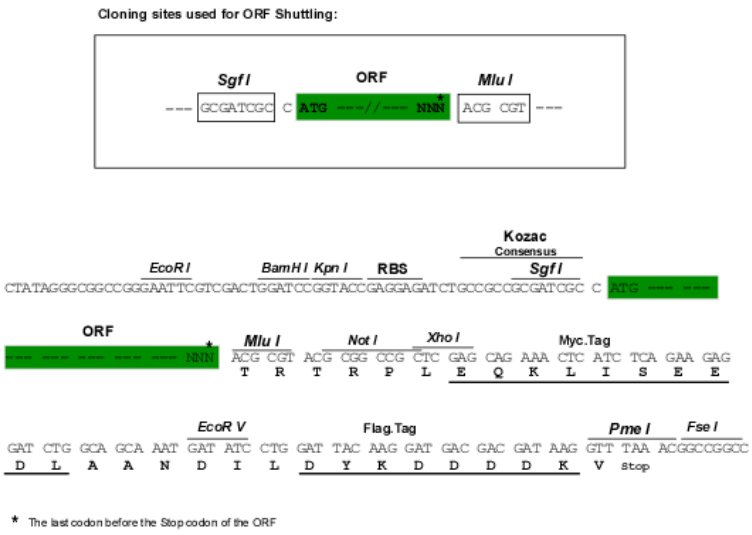
PSSPGPRPAPSHCSLAPCGEDYEEEGPELAPEAEGRPPRAVLIRGLEVTSTEVVDRTCSPREHVLLGRAR
GPDGPWGVGTPRMERKRSISAQQRLVSELIACEQDYVATLSEPVPPPGPELTPELRGTWAAALSARERLR
SFHRTHFLRELQGCATHPLRIGACFLRHGDQFSLYAQYVKHRHKLENGLAALSPLSKGSMEAGPYLPRAL
QQPLEQLTRYGRLLEELLREAGPELSSECRALGAAVQLLREQEARGRDLLAVEAVRGCEIDLKEQGQLLH
RDPFTVICGRKKCLRHVFLFEHLLLFSKLKGPEGGSEMFVYKQAFKTADMGLTENIGDSGLCFELWFRRR
RAREAYTLQATSPEIKLKWTSSIAQLLWRQAAHNKELRVQQMVSMGIGNKPFLDIKALGERTLSALLTGR
AARTRASVAVSSFEHAGPSLPGLSPGACSLPARVEEEAWDLDVKQISLAPETLDSSGDVSPGPRNSPSLQ
PPHPGSSTPTLASRGILGLSRQSHARALSDPTTPL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001278529

ORF Size: 2415 bp

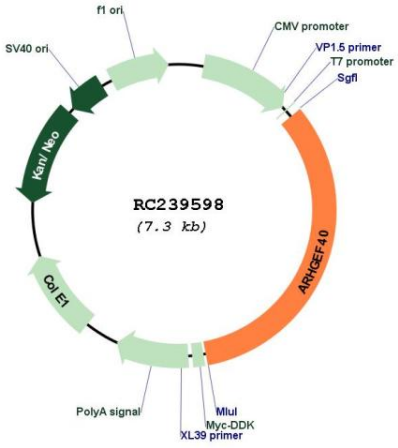
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001278529.2
RefSeq Size:	5975 bp
RefSeq ORF:	2418 bp
Locus ID:	55701
UniProt ID:	Q8TER5
Cytogenetics:	14q11.2
MW:	89.2 kDa
Gene Summary:	This gene encodes a protein similar to guanosine nucleotide exchange factors for Rho GTPases. The encoded protein contains in its C-terminus a GEF domain involved in exchange activity and a pleckstrin homology domain. Alternatively spliced transcripts that encode different proteins have been described. [provided by RefSeq, Mar 2014]

Product images:



Circular map for RC239598