

Product datasheet for **SC308872**

FLJ10357 (ARHGEF40) (NM_018071) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FLJ10357 (ARHGEF40) (NM_018071) Human Untagged Clone
Tag:	Tag Free
Symbol:	FLJ10357
Synonyms:	SOLO
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC308872 representing NM_018071. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
 ATGGAGCCTGAGCCAGTGGAGGACTGTGTGCAGAGCACTCTCGCCGCCCTGTATCCACCCTTTGAGGCA
 ACAGCCCCACCCTGTTGGGCCAGGTGTTCCAGGTGGTGGAGAGGACTTATCGGGAGGACGCACTGAGG
 TACACGCTGGACTTCTGGTACCAGCCAAGCACCTGCTTGCCAAGGTCCAGCAGGAAGCCTGTGCCAA
 TACAGTGGATTCTCTTCTTCCATGAGGGGTGGCCGCTCTGCCTGCATGAACAGGTGGTGGTGCAGCTA
 GCAGCCCTACCCTGGCAACTGCTGCGCCAGGAGACTTCTATCTGCAGGTGGTGGCCTCAGCTGCCAA
 GCACCCGACTAGCACTCAAGTGTCTGGCCCTGGGGTGGGCGGTGCAGGAGGTTCTGTGCCAAT
 GAGGCTTGTGCCTACCTATTCACACCTGAGTGGCTACAAGGCATCAACAAGGACCGGCCAACAGGTCGC
 CTCAGTACCTGCCTACTGTCTGCGCCCTCTGGGATTGAGCGGCTGCCCTGGGCTGAGCTCATCTGTCCA
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 GGACCTCCAGGGCTTCCAGCCCTCACTTCTGAGGAGGCGCTGGGTACCCGGAGTCTGGGGATGGG
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 GGGAGCCCAACAGATGCTGAAGGCTCCCGAGGCTCTCCAGAGTCCGACGGTACCCACCCGCAAGGGC
 GCTGGAGGGAAGGGCCGCCACCGGAGACACCGGCGTGGATGCACAGAAGGGCCTGGGGCTCGGGG
 CAGGATGGAGCACGCCCACCGGCGAGGGGAGCAGCACCGGAGCCTCCCTGAGTCTCCCCAGGAGCT
 GAGGCTGTCCCAGAGGCAGCAGTCTTGAGGTGTCTGAGCCCCAGCAGAGGCTGTGGGAGAAGCCTCC
 GGATCTTGCCCCCTGAGGCCAGGGGAGCTTAGAGGAGGAGGAGGAGGAGGCCAGGGGCTGAAGGACCA
 CCTGGTACCCCTCGGAGAACAGGCAAAGGAAACAGAAGAAAGAAGCGAGCTGAGGTGAGGGGCTCTT
 AGCCGAGGAGGGGACAGTGCCCCACTGAGCCCTGGGGACAAGGAAGATGCCAGCCACCAAGAAGCCCTT
 GGCAATCTGCCCTACCAAGTGAGCACAAGCTTCCAGAATGCCACCTGGTTAAGGAGGAATATGAAGGC
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 GCCTGTGGGCTACAGAAGAGGGGGCCGAGAGAGAGAGCTGGAGGGGCCAGGCCTGCTGTGTATGGCA
 GGACACACAGGCCAGAAGGCCCTGTCTGACACTCCAACACCTCCGCTGGAGACTGTGCAGGAAGGA


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AAAGGGGACAACATTCCAGAAGAGGCCCTTGACGTCTCCGTCTCTGATCACCTGATGTAGCTTGGGAC
TTGATGGCATCTGGATTCTCATCTGACGGGAGGGTGGACCAGAGTGGGCGAGCTCTGCTGACCATT
ACCCACCGTGCCCTCTGAGGAGCCCCACCTCCCGAGACACGCTGAACAACTCTTATTACCTC
CACTACTGCTCAGGCTGATCTACAGACACTGGGGCTGTCCGTCTGCTGGACCTTCGTACGGCACCT
CCACTGCCTCCAGCACTATTCTGCCTTGAGCCAACCTCAGGACTCAGGAGATCCTCCCCTTGTTCAG
CGGCTGCTGATTCTCATTATGATGACCTTCCAACCTGAACCTGTGGATTTCAGGGTCTGAGGTGCTG
TCAGAGAATGATCTGAAAAGAGTGGCCAAGCCAGAGGAGCTGCAGTGGGAGTTAGGAGGTCACAGGGAC
CCCTCTCCAGTCACTGGGTAGAGATACACCAGGAAGTGGTAAGGCTATGTGCGCTGTGCCAAGGTGTG
CTGGGCTCGGTACGGCAGGCCATTGAGGAGCTGGAGGGAGCAGCAGAGCCAGAGGAAGAGGAGGAGT
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AGTGAGCCAGTGCCACCCCTGGGCTGAGCTGACGCCTGAACCTCGGGGACCTGGGCTGCTGCCCTG
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CACCCCTACGCATTGGGGCTGCTTCTTCCGACGGGGACAGTTCAGCCTTATGCACAGTACGTG
AAGCACCGACACAACTGGAGAATGGTCTGGCTGCGCTCAGTCCCTTAAGCAAGGGCTCCATGGAGGCT
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CTCTGCTTTGAGTTGTGGTTTCGGCGCGGGCTGCACGAGAGGCATACACTCTGCAGGCAACCTCACCA
GAGATCAAACTCAAGTGACAAGTTCTATTGCCAGCTGCTGTGGAGACAGGCAGCCACAACAAGGAG
CTCCGAGTGCAGCAGATGGTGTCCATGGCATTGGGAATAAACCTTCTTGACATCAAGGCCCTTGGG
GAGCGGACGCTGAGTGCCCTGCTCACTGGAAGAGCCGCCGACCCGGGCTCCGTGGCCGTGTCTATCC
TTTGAGCATGCCGGCCCTCCCTTCCCGGCTTTCGCGGGAGCCTGCTCCCTGCTGCCCCGCTGAG
GAGGAGGCTGGGATCTGGACGTCAAGCAAATTTCCCTGGCCCCAGAAACACTTGACTCTTCTGGAGAT
GTGTCCCCAGGACCAAGAAACAGCCCCAGCCTGCAACCCCCCACCCTGGGAGCAGCACTCCACCCCTG
GCCAGTCGAGGGATCTTAGGGCTATCCCGACAGAGTCATGCTCGAGCCCTGAGTGACCCACCACGCCT
CTGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC

Restriction Sites: SgfI-MluI
ACCN: NM_018071
Insert Size: 4560 bp

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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.
RefSeq:	<u>NM_018071.4</u>
RefSeq Size:	5948 bp
RefSeq ORF:	4560 bp
Locus ID:	55701
UniProt ID:	<u>Q8TER5</u>
Cytogenetics:	14q11.2
Domains:	PH
MW:	164.7 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] Transcript Variant: This variant (1) encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.