

Product datasheet for **SC337492**

FLJ10357 (ARHGEF40) (NM_001278529) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FLJ10357 (ARHGEF40) (NM_001278529) 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)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001278529, the custom clone sequence may differ by one or more nucleotides

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ATGCCCAAGCCACTGCAGAAGGTGCTGGCAGATCCCCGGCTGACGGCACTGCAGAGGGATGGGGGGGCCA
TCCTGATGAGGCTGCGCTCCACTCCCAGCAGCAAGCTGGAGGGCCAAGGCCAGCTACACTGTATCAGGA
AGTGGACGAGGCCATTACACAGCTTGTGCGCCTCTCAAACCTGCACGTGCAGCAGCAAGAGCAGCGGCAG
TGCCTGCGGCGACTCCAGCAGGTGTTGCAGTGGCTCTCGGGCCAGGGGAGGAGCAGCTGGCAAGCTTTG
CTATGCCTGGGGACACCTTGTCTGCCCTGCAGGAGACAGAGCTGCGATTCCGTGCTTTACAGCGTGAGGT
CCAGGAGCGCCTGGCCCAGGCACGGGAGGCCCTGGCTCTGGAGGAGAATGCCACCTCCCAGAAGGTGCTG
GATATCTTTGAACAGCGGCTGGAGCAGGTTGAGAGTGGCCTCCATCGGGCCCTGCGGCTACAGCGCTTCT
TCCAGCAGGCACATGAATGGGTGGATGAGGGCTTTGCTCGGCTGGCAGGAGCTGGGCCGGGTGCGGAGGC
TGTGCTGGCTGCACTGGCCCTGCGGCGGGCCCCAGAGCCAGTGCCGGCACCTTCCAGGAGATGCGGGCC
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TAGAGAGGAGGATCCAGCAACACGTGGGAGAGGAGGCGAGCCACGGGGTACCGACGACGCGGGCAGAG
CGGTGCCAGCAGTGGAGGGGCCAGTGGGGGCCCGCAGCCCTCGCCAGCCTCAGCTCCTTGCTGCTC
CCCAGCAGCCCTGGGCCACGGCCAGCCCATCCCATTGCTCCCTGGCCCCATGTGGAGAGGACTATGAGG
AAGAGGGCCCTGAGCTGGCTCCAGAAGCAGAGGGCAGGCCCCCAAGAGCTGTGCTGATCCGAGGCCTGGA
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GGGCCAGACGGACCTGGGGAGTAGGCACCCCCCGGATGGAGCGCAAGCGAAGCATCAGTGCCACAGCAGC
GGCTGGTGTCTGAGCTGATTGCCTGTGAACAAGATTACGTGGCCACCTTGAGTGAGCCAGTGCCACCCCC
TGGGCTGAGCTGACGCTGAACCTCGGGGACCTGGGCTGCTGCCCTGAGTGCCCGGGAAGGCTTCGC
AGCTTCCACCGGACACACTTTCTGCGGGAGCTTCAGGGCTGCCACCCACCCCTACGCATTGGGGCCT
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CAGCAGCCTCTGGAACAGCTGACTCGGTATGGGCGGCTCCTGGAGGAGCTCCTGAGGGAAGCTGGGCCTG
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AGACCTGCTGGCCGTGGAGGCGGTGCGTGGCTGTGAGATAGATCTGAAGGAGCAGGGACAGCTCTTGAT
CGAGACCCCTTCACTGTCATCTGTGGCCGAAAGAAGTGCCTTCGCCATGTCTTTCTTCGAGCATCTCC
TCCTGTTAGCAAGCTCAAGGGCCCTGAAGGGGGGTGAGAGATGTTTGTACAAGCAGGCCCTTAAGAC
TGCTGATATGGGGCTGACAGAAAACATCGGGGACAGCGGACTCTGCTTTGAGTTGTGGTTTCGGCGCGCG
CGTGACGAGAGGCATACACTCTGCAGGAACCTCACCAGAGATCAAACCTCAAGTGGACAAGTTCTATTG
CCCAGCTGCTGTGGAGACAGGCAGCCCAACAAGGAGTCCGAGTGCAGCAGATGGTGTCCATGGGCAT
TGGGAATAAACCTTCTGAGCATCAAAGCCCTTGGGGAGCGGACGCTGAGTGCCCTGCTCACTGGAAGA
GCCGCCCGCACCCGGGCTCCGTGGCCGTGTCATCCTTTGAGCATGCCGGGCCCTCCCTTCCCGGCTTT
CGCCGGGAGCCTGCTCCTGCTGCCCGCGTGCAGGAGGAGGCTGGGATCTGGACGTCAAGCAAATTTCT
CCTGGCCCCAGAAACACTTGACTCTTCTGGAGATGTGTCCCCAGGACCAAGAAACAGCCCCAGCCTGCAA
CCCCCCCCCTGGGAGCAGCACTCCACCCTGGCCAGTCGAGGGATCTTAGGGCTATCCCGACAGAGTC
ATGCTCGAGCCCTGAGTGACCCACACGCTCTGTGA

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Restriction Sites: SgfI-MluI

ACCN: NM_001278529

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).

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_001278529.1, NP_001265458.1</u>
RefSeq Size:	5975 bp
RefSeq ORF:	2418 bp
Locus ID:	55701
UniProt ID:	<u>Q8TER5</u>
Cytogenetics:	14q11.2
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 (2) has multiple differences compared to variant 1. These differences result in a distinct 5' UTR and cause translation initiation at a downstream start codon compared to variant 1. The encoded protein (isoform 2) is shorter than 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.