

Product datasheet for **SC321902**

C15orf38 (ARPIN) (NM_182616) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C15orf38 (ARPIN) (NM_182616) Human Untagged Clone
Tag:	Tag Free
Symbol:	C15orf38
Synonyms:	C15orf38
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_182616.1
 CGCGGGTCCCCGCGCTCTGCAGCACTTCCCAGCGCCGCGCCCCAGCCCAGTGCGCCGG
 CTCTGTGCCGGGGTGCCCGGGCGGTCCGGGAGAATGAGCCGCATCTACCACGACGGCGCGC
 TCCGGAACAAGGCGGTGCAGAGCGTCCGGCTGCCAGGGGCTGGGACCCCGCCGCCACC
 AGGGGGGAAATGGTGTCTGTGGAGGGGAACTGATCGATGTATCTCGGCACAGCATCT
 TGGACACTCATGGCAGGAAGGAGCGCTACTACGTGTATATCCGGCCCAGTCACATCC
 ATCGCCGTAATTCGACGCCAAGGGAATGAAATCGAGCCCACTTCAGCGCCACCAGGA
 AGGTGAACACAGGGCTTCCCTCATGTCGTCTACAAGGTGGAAGCCAAGGGGACACTGACA
 GGCTCACGCCGAGGCGCTGAAGGGCTGGTCAACAAGCCAGAGCTGCTCGCGCTGACAG
 AGAGCCTACCCCGACCACACAGTGGCGTTCTGGATGCCCGAGTCAGAGATGGAGGTGA
 TGGAACTCGAGCTGGGGGCCGGGTACGGCTGAAGACTCGGGGCGATGGTCCCTTCTGG
 ATTCATTGGCCAAACTTGAGGCTGGAACAGTGACCAAGTGAATTTCACTGGTGTGGAA
 AGACAGGGGCATCTGGACAGACAACATCATGGCCAAAAGTGTGCAAGGGGGCTGCAG
 CGGAGATCCGAGAGCAGGGGATGGGGCAGAGGACGAGGAGTGGGATGACTGAGGGACGT
 GGCTGCCTCTGGGGGCACCAGCACCTTCTGTAGCATTGTGGAACATTTCTCCATGAACT
 TCTACTCTGGAGCTGGAGAGAAGCTGCTCCAAGTCTTACCTGGTTCTTCCCATAGCCA
 CCTTGAATACTCTTTGAACAAGCTCTGCTAAAACCAAACCCATGACCACTGTGTGGTG
 GTGGGGCCTATGCTGTGGCTCAGGGAGGGCCCTCCCTGCATGTGAGTCTAGCCTTCT
 AGACATTACATGATGACCCTTAAAAAAAATTAGAGATGGAGGTCTCACTGTGTGGCC
 AGGCTGATCTCGAACTCTGGACTCAAGCGATCCACCCACCTCCACCTCCCAAGGTGTTG
 GGATTACAGGCGTGAGCCACCGCACCCAGCCTCATGTTGACCCTGGCCCTGGATAGCAGC
 TTTGTTGTAGAGGCAGGTGGTGGGAGAGACCCTAGGACAGCCTGAGAGTAACTGGACCT
 GGTATTGGTGCAGGAGTGGGAATATCCCTTGTCTAAATGCAGAGCAGTGAGAGAAGTTA
 GCGGGGCTTCTCCGTTCTCATTGTTTCTGCTTTCCTTCCCAACCCACCCCTTCTCTC
 AGCACTCTGTGTTGTAGCCTGTACTATCCTGCTTCAAGCCTCCGTGTCCCTTGTACCTTC
 CCCCTACCTTGAGTTGCCAGTCTTTACTCCCTCAAATGTTCCCATGCCACCTCTGGGGT
 TTCTGTTATCTGACATCCCTGGCTGCTTCTCTGGTAGATGCCATCCAGAGAGGGCAAC
 AGCGTTCCAGGCGTGGCTGGCTGGTCCGCATCTCTCAGACTCACTCTGCCAGGTACAG
 TTTTGAGAATACCTTTTTTGTGTTGTTTGTACCTGGAGAACTTTTATGAATGAGTAA
 ATCTTCAGAAAGGAATTCCTCCACCCTTACTGGGTTATTGTCAGGTGTAACGGCCTTTC
 AGCTGAGCAATGTTCTATGAGAAGGAAGCCATTTCTCTTGGCTCATGAACACTGCCTTT
 TGGGTAGTATACCCACACCCAGATCTGTGAAGAGACCTGGAATTGAAGTCTCCATGTCGT
 CAGGACTTGGTGGCATGTGGATCTTGTGACTTGGGAAAAGAGAGGGTGGTGGTGAAC
 AATAATTATGGAGTCCCCTAATGTGTGCAACACAATGCTAGATGATTAATAAAAAAAAAA
 AA
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_182616

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: [NM_182616.1](#), [NP_872422.1](#)

RefSeq Size: 2065 bp

RefSeq ORF: 681 bp

Locus ID: 348110

UniProt ID: [Q7Z6K5](#)

Cytogenetics: 15q26.1

Gene Summary: Regulates actin polymerization by inhibiting the actin-nucleating activity of the Arp2/3 complex; the function is competitive with nucleation promoting factors. Participates in an incoherent feedforward loop at the lamellipodium tip where it inhibits the ARP2/2 complex in response to Rac signaling and where Rac also stimulates actin polymerization through the WAVE complex. Involved in steering cell migration by controlling its directional persistence. [UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) represents the shorter transcript and encodes the longer 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.