

Product datasheet for **SC108652**

ARHGEF38 (NM_017700) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | ARHGEF38 (NM_017700) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | ARHGEF38 |
| Vector: | <u>pCMV6-XL4</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| Cell Selection: | None |
| Fully Sequenced ORF: | >NCBI ORF sequence for NM_017700, the custom clone sequence may differ by one or more nucleotides |

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ATGGAGCCCAAAGAAGCCACTGGGAAAGAAAACATGGTCACCAAGAAAAAGAATCTGGCCTTCTTGAGGT  
CTAGACTCTATATGCTGGAGAGAAGGAAGACTGACACTGTGGTTGAGAGCAGTGTCTGGGGACCACTC  
TGGCACCTTGAGGAGGAGCCAATCTGACAGGACCGAATACAACCAGAAATTACAAGAAAAGATGACTCCA  
CAGGGTGAGTGTCTGTAGCTGAGACCTTAACCCAGAGGAAGAGCATCATATGAAGAGGATGATGGCAA  
AGCGGAAAAGATCATTAAAGGAGCTGATACAGACAGAAAAGGATTATCTCAATGATCTAGAGCTGTGTGT  
TAGGGAAGTGGTTCAGCCCTGAGAAATAAAAAGACTGATAGGCTGGATGTGGATAGCTTGTAGCAAC  
ATTGAGTCCGTGCATCAGATATCAGCCAAGCTGCTGTCATTGTTGGAAGAGGCCACAACAGAGCTGGAAC  
CGGCCATGCAAGTAATTGGAGAAGTATTCTTGCAGATTAAGGGCCACTGGAAGATATTTATAAAATCTA  
CTGCTATCACCATGATGAAGCACATAGTATACTGGAGTCCTATGAAAAGGAAGAAGAGCTGAAGGAACAT  
TTGAGCCACTGTATCCAGTCCTTAAAGTAA
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| 5' Read Nucleotide Sequence: | >OriGene 5' read for NM_017700 unedited NTTGTCAGAATTTTGGTATACGACTCACTTATAGGGCGGCCGGAATCGGCACCAGTTTA GTTAGAAGGGAGCAGATAAACTCGTCACTCTAGTAGCTTTAACCCCTCACCTGAGGCACC TTAGCAATCAGCCATTGCCTGCAAGCCTCCAAAGCTTGTCTTTGCCTAATATGGAGCCCA AAGAAGCCACTGGGAAAAGAAAACATGGTCACCAAGAAAAAGAATCTGGCCTTCTTGAGGT CTAGACTCTATATGCTGGAGAGAAGGAAGACTGACACTGTGTTGAGAGCAGTGTCTG GGGACCCTCTGGCACCTTGAGGAGGAGCCAATCTGACAGGACCGAATACAACCAGAAAT TACAAGAAAAGATGACTCCACAGGGTGAGTGTTCTGTAGCTGAGACCTTAACCCAGAGG AAGAGCATCATATGAAGAGGATGATGGCAAAGCGGAAAAAGATCATTAAAGGAGCTGATAC AGACAGAAAAGGATTATCTCAATGATCTAGAGCTGTGTGTAGGGAAAGTGGTTCAGCCCC TGAGAAAATAAAAAGACTGATAGGCTGGATGTGGATAGCTTGTAGCAACATTGAGTCCG TGCATCAGATATCAGCCAAGCTGCTGTCATTGTTGGAAGAGGCCACAACAGACGTGGAAC CGGCCATGCAAGTAATTGGAGAAGTATTCTTGCAGATTAAGGGCCACTGGAAGATATTT ATAAAATCTACTGCTATACCATGATGAAGCACATAGTATACTGGAGTCCATGAAAAGG AAGAGAGCTGAAGGACATTTGAGCCACTGTATCCAGTCCTTAAAGAAAATACATGCCAG AAGCNAACCANACTTATTGGACATGGGCTCTTGTATGATCAAACCAATTCACGTGTGATG AATACCCNCTATTACTGGCGACTCTCGAATNCCACCA |
| Restriction Sites: | NotI-NotI |
| ACCN: | NM_017700 |
| 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: | <ol style="list-style-type: none"> 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_017700.1</u> , <u>NP_060170.1</u> |
| RefSeq Size: | 1453 bp |
| RefSeq ORF: | 660 bp |
| Locus ID: | 54848 |
| UniProt ID: | <u>Q9NXL2</u> |
| Cytogenetics: | 4q24 |

Gene Summary:

May act as a guanine-nucleotide releasing factor.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) represents an alternate 3' splice pattern with a shorter coding region, compared to variant 1. The resulting isoform (2) has a shorter and distinct C-terminus, compared to isoform 1.