

Product datasheet for **SC301608**

ARHGEF10L (NM_001011722) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: ARHGEF10L (NM_001011722) Human Untagged Clone
Tag: Tag Free
Symbol: ARHGEF10L
Synonyms: GrinchGEF
Vector: pCMV6 series

Fully Sequenced ORF: >NCBI ORF sequence for NM_001011722, the custom clone sequence may differ by one or more nucleotides

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ATGGCTTCTCCAAACCTCTCCACAGCCTGCCATAGGAGATCAGCTGGTTCCAGGAGTC
CCAGGCCCTCTCTGAGGCAGAGGACGACCCAGGAGAGGCGTTTGAGTTTGATGACAGT
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CGACGGCAGGTGTGCAGCCAGACCGTGTACCCTCTACGGGCTGATGGTCAAGCCCATC
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CTGAACGAGCAGAAGCGGCTGGCTGACCAAGGTGGCTGAGATCCAGCAGCTGACCAAGAGC
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AACCACAGGGGCCAGCTGGAGATCAGCAGCCTGGTGCCTGGGGCCCAAGTATGTGGTG
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TATGACAAGGACAATGTGCTCATCCAGCACTCAGGCGCCAAGAAGGCCTCTGCCTCAGGG
 CAGGCTCAGAATAAGGTGTACCTCGGCCCCACGCCTTCCAGGAGCTGCAGGACCTG
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 CAGGCCCGTGTGGGAGACGGACAGCACCCCTCCTCATCTGGCAGGTGCCCTTGATGCTA
 TAG

- Restriction Sites:** Please inquire
- ACCN:** NM_001011722
- 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_001011722.2](#), [NP_001011722.2](#)

RefSeq Size: 4269 bp

RefSeq ORF: 3723 bp

Locus ID: 55160

UniProt ID: [Q9HCE6](#)

Cytogenetics: 1p36.13

Gene Summary: This gene belongs to the RhoGEF subfamily of RhoGTPases. Members of this subfamily are activated by specific guanine nucleotide exchange factors (GEFs) and are involved in signal transduction. The encoded protein shows cytosolic distribution. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2016]
Transcript Variant: This variant (2) lacks an in-frame exon, as compared to variant 1. The encoded isoform 2 thus lacks an internal segment, as compared to isoform 1.