

Product datasheet for **SC309607**

ARHGEF11 (NM_014784) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: ARHGEF11 (NM_014784) Human Untagged Clone
Tag: Tag Free
Symbol: ARHGEF11
Synonyms: GTRAP48; PDZ-RHOGEF
Vector: pCMV6 series
Fully Sequenced ORF: >NCBI ORF sequence for NM_014784, the custom clone sequence may differ by one or more nucleotides

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ATGAGTGTAAAGTTACCCAGAGTATAGACAGGTTAAGTAGCCTGTCTTCTCTGGGAGAT
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GCCGGTGTGAAAGAGGGCGACCGGATCATCAAAGTCAACGGCACCATGGTGACCAATAGC
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CCAGAACCTGGGACACAACGACTCTCGACCGGAAGCTTTCCTGAGGACCTGCTGGAGAGT
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 ATGAAACGGTCTCGAAAGGCAGAGAACGTGCCCGCTCTCGCAGTGATGTTGACATGGAT
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 CCTCCCGTAAGGAGCCCTAGCTTCTGACTCCAGGAACAGCCATGAACTGGGGCCCTGC
 CCTGAGGATGGCTCTGACGCCCCCTGGAAGACAGCACAGCAGACGACGCGCTCACCA
 GGACCATAA

Restriction Sites:

Please inquire

ACCN:

NM_014784

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:	<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_014784.2</u> , <u>NP_055599.1</u>
RefSeq Size:	6784 bp
RefSeq ORF:	4569 bp
Locus ID:	9826
UniProt ID:	<u>O15085</u>
Cytogenetics:	1q23.1
Domains:	RhoGEF, RGS, PDZ, PH
Protein Families:	Druggable Genome
Protein Pathways:	Vascular smooth muscle contraction
Gene Summary:	Rho GTPases play a fundamental role in numerous cellular processes that are initiated by extracellular stimuli that work through G protein coupled receptors. The encoded protein may form a complex with G proteins and stimulate Rho-dependent signals. A similar protein in rat interacts with glutamate transporter EAAT4 and modulates its glutamate transport activity. Expression of the rat protein induces the reorganization of the actin cytoskeleton and its overexpression induces the formation of membrane ruffling and filopodia. Two alternative transcripts encoding different isoforms have been described. [provided by RefSeq, Jul 2008] Transcript Variant: This variant (1) encodes the predominant isoform (1).