

## Product datasheet for **SC309608**

### ARHGEF11 (NM\_198236) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** ARHGEF11 (NM\_198236) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** ARHGEF11  
**Synonyms:** GTRAP48; PDZ-RHOGEF  
**Mammalian Cell Selection:** None  
**Vector:** [pCMV6-XL5](#)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_198236 edited  
 CCCACGCGTCCGCCACGCGTCCGAGCGAAATCTCCGTTTCATGGAGGCTGAGGCAAGAG  
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AGTTAAATATCCTTCAAAAAAAAAAAAAAAAAA
    
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**Restriction Sites:**

Please inquire

**ACCN:**

NM\_198236

**Insert Size:**

6900 bp

**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:**

The ORF of this clone has been fully sequenced and found to be a perfect match to NM\_198236.1.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_198236.1</a></u> , <u><a href="#">NP_937879.1</a></u>
<b>RefSeq Size:</b>	6904 bp
<b>RefSeq ORF:</b>	4689 bp
<b>Locus ID:</b>	9826
<b>UniProt ID:</b>	<u><a href="#">Q15085</a></u>
<b>Cytogenetics:</b>	1q23.1
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Vascular smooth muscle contraction
<b>Gene Summary:</b>	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 (2) contains an alternate in-frame exon, compared to variant 1. The resulting protein (isoform 2) is longer, compared to isoform 1.