

## Product datasheet for **SC327689**

### ARHGAP4 (NM\_001164741) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ARHGAP4 (NM_001164741) Human Untagged Clone
Tag:	Tag Free
Symbol:	ARHGAP4
Synonyms:	C1; p115; RGC1; RhoGAP4; SrGAP4
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001164741, the custom clone sequence may differ by one or more nucleotides

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ATGGCCGCTCACGGGAAGCTGCGCGGGAGCGGGGCTGCAGGCTGAGTATGAGACGCAA
GTCAAAGAGATGCGCTGGCAGCTGAGCGAGCAGCTGCGCTGCCTGGAGCTGCAGGGCGAG
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CGCCTGGTCAAGAAGAGCAGGGATCTGGAGCAGCAGCTGCAGGATGAGCTCCTGGAGGTG
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CCCACCACCACCGCTGGTGCCACTGAGGCAGGGCCCTCCGCAAGAGCTCCCTCAAGAAG
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TACCTGCATGACGCTTTGGACCTCATGGACTGCTGTGACACAGGGTTCCACCTGGCCCTG
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AAGACTCTGAAGGCGACACTGCAGGCCCTGCTGGAGGTGGTGGCCTCGGATGACGGGGAT
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CCAGGCAGCCGGCAGGCCGGCCGAGGCCGAGCAGCAGGAGACCGAAACCTTCTAC
CTCAGGAAGCTCCAGGATATCTGAGTGGACGGAGCATCTCGCCAAGCTGCAGGCCAAG

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CACGAGAAGCTGCAGGAGGCCCTTCAGCGAGGTGACAAGGAGGAGCAGGAGGTGTCTTGG  
 ACCCAGTACACACAGAGAAAATCCAGAAGAGCCGCCAGCCCCGCCAGCTCCCAGTAT  
 AACCCAGAGACTCTTTGGGGGAGACATGGAGAAGTTTATCCAGAGCTCAGGCCAGCCTGTG  
 CCCCTGGTGGTGGAGAGCTGCATTTCGCTTCATCAACCTCAATGGCCTGCAGCATGAAGGC  
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 CCAGAGCAACACGTGGAGGTGGATAAGGCTGTGGCACAGAACATGGACTCTGTGTTAAG  
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 AGTCTGGGCCCGAAGCCAAAGGCCCGCCAGCAGCCGCTGGGCAGGAACAAGGC  
 TTCTCCCGGGCCCTGGGGCCCGCCAGCCTACCCCTAGCTTCCACCCCGGGCCTAGAC  
 ACGACCCCAAGCCACAC

**Restriction Sites:**

Please inquire

**ACCN:**

NM\_001164741

**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\\_001164741.1](#), [NP\\_001158213.1](#)
**RefSeq Size:**

3405 bp

RefSeq ORF: 2961 bp

Locus ID: 393

UniProt ID: [P98171](#)

Cytogenetics: Xq28

**Gene Summary:** This gene encodes a member of the rhoGAP family of proteins which play a role in the regulation of small GTP-binding proteins belonging to the RAS superfamily. The protein encoded by the orthologous gene in rat is localized to the Golgi complex and can redistribute to microtubules. The rat protein stimulates the activity of some Rho GTPases in vitro. Genomic deletions of this gene and a neighboring gene have been found in patients with nephrogenic diabetes insipidus. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2009]  
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).