

## Product datasheet for **SC327132**

### **ARHGAP25 (NM\_001166277) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	ARHGAP25 (NM_001166277) Human Untagged Clone
Tag:	Tag Free
Symbol:	ARHGAP25
Synonyms:	HEL-S-308; KAIA0053
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >SC327132 representing NM\_001166277.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGTCCCTAAAATTGCCAAGGAAGTGGATTTCAACCTGAAAGTGGAGGCTGCGAAAATAGCTCGGTCA
AGGAGTGTGACTGGCGAGCAGATGGCTGCCATCCATCGTCCACCCCAACCCGCTGGAGAGG
CCCATCAAGATGGGCTGGCTGAAGAAGCAGAGGTCCATCGTGAAGAACTGGCAGCAGAGGTAATTTGTG
CTGAGGGCGCAGCAGCTCTACTACTACAAGGATGAAGAGGACACGAAGCCCAAGGCTGCATGTATCTA
CCAGGATGTACAATCAAGGAGATCGCCACAACCAGAAGAAGCTGGGAAGTTTGTCTTTGAAATCATT
CCAGTGTGGCCAGCGCTTGGATGAGACTGTGGCCTATGAACAGAAAATTCGGCCCCATCTGGTGCCC
ATCCTGGTGGAGAAATGTCAGAGTTCATCCTGGAGCACGGCCGAATGAAGAGGGCATCTTCCGTCTG
CCTGGGCAGGACAACCTGGTGAAGCAGCTGAGAGACGCTTTTGATGCTGGGGAGCGGCCCTCTTTGAC
AGAGACACAGATGTCACACTGTGGCTTCCCTGTTAAAGCTCTACCTCCGAGACCTCCAGAGCCCGTG
GTTCCCTGGAGCCAGTACGAAGGGTTCCTGCTCTGTGGGCAGCTCACGAATGCGGATGAGGCAAAGCT
CAGCAGGAGTTGATGAAGCAGCTCTCCATCCTTCTCTGACAACATATAGTCTCCTGAGCTACATCTGC
AGGTTCCATACATGAAATACAGCTGAACTGTGCTGTTAACAAGATGAGTGTGGACAACCTGGCTACTGTG
ATTGGTGTGAATCTCATCAGGTCGAAGGTGAAGACCCTGCCGTGATCATGAGAGGGACTCCTCAGATC
CAAAGAGTGATGACTATGATGATCAGAGACCATGAAGTCTCTTCCCAAGTCCAAGGATATACCCCTG
TCACCCCTGCCAGAAAAATGACCCCAAGAAAGCTCCAGTGGCCGAAGCTCTGTAGGCTGGGATGCC
ACTGAAGACCTCCGAATTTCTAGGACAGACAGCTTCAAGTATGACAAGCGACTCTGATACAACCAGC
CCCACCCGACAGCAGCCGAGCGATGCGTTTCCGGAGGACAGCAGCAAAGTACCCAGGGAAAAGCCAGGA
GACTGGAAAAATGCAATCTCGTAAAAGGACTCAAACACTCCCTAACCGGAAATGTTTCTTGACATCAGCT
TTTCAGGGTGCCAACAGCAGCAAAATGGAGATCTTTAAAAATGAATTCTGGTGCCTTCCCTCAGAGGCT
AAGGCAGGGGAAGGGCACAGGAGAACGATGTCTCAAGACTTGCGCCAACCTTCTGACTCCCAACGGACT
TCCACCTACGATAACGTCCTTCCCTGCCAGGGTCCCCTGGGGAGGAAGCCAGTGCACTCTCTTCCCAA
GCCTGTGACTCCAAGGGAGATACTTGGCAGTCCAACTCTGAAACTGGGCCTGGAAAAAAGAACTCT
GGAGAAGAGGAAATGATTCTTTGCAGAGGATGGTCCAAGAGCTACGAAAGGAAATAGAAACACAGAAG
CAAATGTATGAGGAACAGATTAACCTTGAAGGAAATATGACGTTTGGGCTAAAGTGGTGAGG
CTCAATGAAGAACTGGAGAAGGAAAAGAAGTCTGCAGCCCTAGAGATCAGCCTCCGCAACATGGAG
CGCTCCCGGGAGGATGTTGAGAAGAGGAACAAGGCCTTGAAGAAGAAGTCAAGGAATTTGTCAAATCC
ATGAAGGAACCCAAGACCGAGGCTTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
  
```

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001166277

**Insert Size:** 1821 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:** 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\\_001166277.1](#)

**RefSeq Size:** 2900 bp

**RefSeq ORF:** 1821 bp

**Locus ID:** 9938

**UniProt ID:** [P42331](#)

**Cytogenetics:** 2p13.3

**MW:** 69 kDa

**Gene Summary:** ARHGAPs, such as ARHGAP25, encode negative regulators of Rho GTPases (see ARHA; MIM 165390), which are implicated in actin remodeling, cell polarity, and cell migration (Katoh and Katoh, 2004 [PubMed 15254788]).[supplied by OMIM, Mar 2008]  
Transcript Variant: This variant (4) uses an alternate in-frame splice site and lacks an alternate in-frame exon in the central coding region, compared to variant 1, resulting in an isoform (d) that is shorter than isoform a.