

## Product datasheet for **SC125524**

### ARHGAP12 (NM\_018287) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ARHGAP12 (NM_018287) Human Untagged Clone
Tag:	Tag Free
Symbol:	ARHGAP12
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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## Fully Sequenced ORF:

>OriGene ORF sequence for NM\_018287 edited  
ATGAAAATGGCTGACAGAAGTGGGAAGATTATTCCAGGACAAGTGTATATTGAGGTGGAA  
TATGATTATGAATATGAAGCAAAGGACAGAAAGATTGTGATAAAACAAGGGGAGAGGTAC  
ATCTTGGTGAAAAAGACCAATGATGACTGGTGGCAAGTCAAGCCAGATGAAAACCTCCAAA  
GCGTTTTATGTGCCAGCCAGTATGTGAAGGAGGTCACGCGCAAAGCTCTCATGCCACCT  
GTTAAGCAGGTAGCTGGTCTGCCAAATAACTCCACGAAAAATAATGCAGAGTTTGCATCTT  
CAGAGATCAACAGAAAAATGTGAACAAATTCCTGAGCTTTCAAGTTTTCGAAAGCCATCG  
TCATCTGTTCAAGGAACAGGTCTTATTCTGTGATGCCAATCAGAATTTTGACCCAGTTAT  
AATCAAGGTCAAGTGTCAACCTAAGCCTGGACCTGACCCATAAATACGGAAGTTTAAAC  
AATGACTCACATTCTCTAAAGTTTCCAGCCAGAATAGGACACGCTCATTGGTCATTTT  
CCCGGTCCAGAGTTCTTGGATGTAGAGAAAAGTCTTCCCAGGAACAATCTTGTGAT  
TCCGCAGGAGAAGGCTCTGAAAGAATACATCAAGATTCTGAATCTGGTGTGAACCTAGC  
AGCAGCTCCACTGAACAGATAAGGGCAACCACCTCCAATCAAGGAAGGCCAGATTCT  
CCTGTCTATGCTAACCTCAAGAACTGAAAATATCCCAGTCTGCTTCCCCACCTTCT  
GGGAGCCCGCAATTCAGATTAATGGAGAATGGGAAACTCATAAAGACAGCTCAGGGCGT  
TGCTATTACTATAACAGAGGGACACAGGAAAGAACTTGGAAACCTCCTCGTTGGACTCGG  
GATGCAAGCATCAGCAAAGGAGATTTCCAAAATCCAGGGGATCAAGAGCTTCTTTCATCG  
GAAGAAAAGTACTACAGCACTTCTTACAGCCAGTCAAGTGTGAGTGTGGTTCTCTCCCA  
AGGGGTTGGTCAGAAGAGTTGGATGAACGTGGGCATACCTTATATACCAGTACTATACT  
AATGAAAAGTGGCTCAAGCATGTTGATGATCAAGGTAGACAATATTACTACAGTGCAGAC  
GGATCTCGGTGAGAAATGGGAATGCCAAAGTATAATGCTTCAATCCAGCAGCAAAGAGAA  
ATAATTAAGTAGGAGCCTGGACAGCGGCTGCAAGAACCAATAGTATTAACAAAGTGG  
AGACATGACCACTTGTATTGGACACTAATGATAAGGAATCTCCAAGTGCCTCAAAACCC  
TGCTTTCTGAAAATGAGTCTTCTCCCTCCTCACCAAAGCACCAAGATACAGCCAGCAGT  
CCAAAGGATCAAGAGAAATATGGATTATTAATGTAACAAAAATTGCTGAAAATGGGAAA  
AAGGTTGAAAGAACTGGTTGTCTTCTTGGGCGGTGTTGCAGGGTTCATCTTTACTTTTT  
ACCAAACTCAAGGAAGTAGCACAAGTTGGTTTGGCAGTAATCAGTCCAAACCAGAGTTC  
ACAGTGGACCTCAAGGGGCAACAATTGAGATGGCTTCAAAGGATAAATCCAGCAAAAAG  
AATGTATTTGAGCTGAAAACCTGCAAGGAACAGAACTGCTAATTCAGTCTGACAATGAC  
ACTGTTATTAATGATTGGTTTAAAGTTCTTAGTAGTACAATCAATAATCAGGCAGTAGAA  
ACTGATGAAGGAATTGAAGAGGAGATACCGGATTCACCAGGAATAGAAAAGCATGATAAA  
GAAAAGGAACAAAAGGATCCCAAAAAGCTTCGTTCTTTAAAGTATCTAGCATAGATTCT  
TCAGAACAGAAAAAACCAAGAAAACTTAAAGAGTTTCTTACACGACGCCCCACTTTG  
CAAGCTGTTCTGTAAGGTTATATTAAGATCAGGTATTTGGATCCAATCTCGCTAAT  
CTGTGTGACAGAGAGAATGGCACAGTACCAAAGTTGTGAAGTTATGATTGAACATGTT  
GAAGAACATGGTTTGGATATTGATGGGATACAGAGTAAAGTGGCAACCTCGCAGTGATC  
CAGAACTAAGGTTTGCAGTCAATCATGATGAGAAATGGACTTGAATGACAGTAAATGG  
GAAGATATTCATGTCATTACTGGAGCCCTCAAAATGTTTTTTTCGAGAATTACCAGAACCT  
CTTTTTACATTTAATCATTTTAATGATTTTGTAAATGCAATTAAGCAAGAACCAAGACAG  
CGAGTCGCTGCTGTTAAGGACCTAATCAGACAGTTGCCAAAGCCAAACCAAGACACAATG  
CAGATTCTTTCCGACATCTCACAGAGTTATAGAAAAATGGAGAGAAAAATCGAATGACC  
TATCAGAGTATAGCAATGTTTTTGGTCCCACTCTATTAACCAGAAAAAGAGACTGGT  
AATATAGCAGTTCATACTGTGTACCAGAATCAGATTGTAGAATTAATTCTTCTGGAAGT  
AGTTCCATCTTCGGACGTTGA

<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_018287 unedited GAATTCGGCACCAGCGGGCCGGCCGGCCGTAGCCGTGTGAACGCTCTTCGGGCTCGCG TCGTGACCCGCAGCCGCGGGGGCGGACTAAGAAGGAGCCGCCTGCTGCGAGGCCCGCG GCTCCCGTTTTAAATGTGATACTGGTGTAGATCTCCTTGTCTAAGCTATATTCATCCAA CAAGCCATAAAGCCATAATGTGGTATAACATCCTTTTTGAGAGGTGAATATTATTGAATG AAAATGGCTGACAGAAGTGGGAAGATTATTCCAGGACAAGTGTATATTGAGGTGGAATAT GATTATGAATATGAAGCAAAGGACAGAAAGATTGTGATAAAACAAGGGGAGAGGTACATC TTGGTAAAAAGACCAATGATGACTGGTGGCAAGTCAAGCCAGATGAAAACCTCCAAAGCG TTTTATGTGCCAGCCAGTATGTGAAGGAGTCAAGCGCAAAGCTCTCATGCCACCTGTT AAGCAGGTAGCTGGTCTGCCAAATAACTCCACGAAAATAATGCAGAGTTTGCATCTTCAG AGATCAACAGANAATGTGAACAAATTGCCTGAGCTTTCAAGTTTCGAAAGCCATCGTCA TCTGTTACAGGACAGGTCTTATTCGTGATGCCAATCAGAAATTTGGACCCAGTTATAATC AAGGTCAGACTGTCAACCTAAGCCTGGACCTGACCCATANTNNACGAAGTTTACAATGAC TCACATTCTCTAAAGTTTCAGCCAGATANGACACGCTA
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_018287
<b>OTI Disclaimer:</b>	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).
<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>	<a href="#">NM_018287.4</a> , <a href="#">NP_060757.4</a>
<b>RefSeq Size:</b>	4173 bp
<b>RefSeq ORF:</b>	2541 bp
<b>Locus ID:</b>	94134
<b>UniProt ID:</b>	<a href="#">Q8IWW6</a>
<b>Cytogenetics:</b>	10p11.22
<b>Domains:</b>	RhoGAP, WW, SH3, PH

**Gene Summary:**

This gene encodes a member of a large family of proteins that activate Rho-type guanosine triphosphate (GTP) metabolizing enzymes. The encoded protein may be involved in suppressing tumor formation by regulating cell invasion and adhesion. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jul 2012]

Transcript Variant: This variant (1, also known as ARHGAP12b) represents the longest transcript and encodes the longest isoform (1).