

Product datasheet for **SC337544**

ARHGAP11A (NM_001286480) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARHGAP11A (NM_001286480) Human Untagged Clone
Tag:	Tag Free
Symbol:	ARHGAP11A
Synonyms:	GAP (1-12)
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_001286480, the custom clone sequence may differ by one or more nucleotides

```

ATGGACAGCAGCAATCTTGCAGTAATATTTGCACCGAATCTTCTTCAGACAAGTGAAGGACATGAAAAGA
TGCTTTCTAACACAGAAAAGAAGCTACGATTACAGGCTGCAGTAGTACAGACTCTTATCGATTATGCATC
AGATATTGGGCGTGTACCAGATTTTATCCTGGAAAAGATACCAGCCATGTTGGGTATTGATGGTCTCTGT
GCTACTCCATCACTGGAAGGCTTTGAAGAAGGTGAATATGAAACTCCTGGTGAATATAAGAGAAAAGAGAA
GACAAAGTGTAGGAGATTTGTTAGTGGAGCACTAAATAAATTTAAACCTAACAGAACACCTTCTATTAC
ACCTCAAGAAGAAAGAATTGCCAGCTATCTGAATCACCAGTGATTCTTACACCAATGCTAAGCGTACA
TTGCCAGTAGATTCTTCTCATGGTTTCTCAAGTAAGAAAAGGAAGTCCATCAAGCACAATTTAACTTTG
AGCTGTTGCCAAGTAATCTCTTCAATAGCAGTTCTACACCGGTATCAGTTCACATCGATACAAGCTCAGA
AGGGTCATCTCAGAGTTCCTCTCTGTACTATTGGTGGAAACCATTGATCACTGCAGGTGTGCCA
AGGCGAAGTAAAAGAATTGCAGGCAAAAAAGTTTGCAGAGTGAATCAGGAAAAGCAGGCTGCTTTTCTC
CTAAAATCAGCCATAAAGAAAAGGTTTGAAGATCTCTGCGTTTGAATTTCAATCTAGGAAAAATGGCAG
AGAAGTAAATGGATGTTCTGGTGTCAATAGATATGAAAGTGTGGTTGGCGACTTGCAAAATCAACAAAGT
TTAAAAAATCGAATTGAATCTGTAAAAACAGGTTTGCTTTTTAGCCAGATGTTGATGAAAAGTTACCAA
AGAAAGGTTCAGAAAAGATCAGTAAGTCTGAGGAAACCTTACTAACTCCAGAGCGACTAGTTGGAACAAA
TTACCGGATGTCTTGGACAGGACCTAATAATTCAAGTTTTCAAGAAGTAGATGCAAAATGAAGCTTCTTCA
ATGGTGGAAAATCTTGAGGTAGAAAACCTTTGGAGCCTGATATTATGGTAGAAAAGTCACTGCTACTT
CATGTGAACCTACCCCTTCCAATTTAAACAATAAGCATAATAGCAACATAACAAGTAGCCCTCTTAGCGG
GGATGAAAATAACATGACCAAAGAGACTTTGGTGAAAGTTCAAAAAGCGTTTTCTGAATCTGGAAGTAAT
CTTCACGCATTGATGAATCAGAGGCAGTCATCAGTAACATAATGTGGGGAAGTAAAATTAAGTGAACCAT
CTTATTTAGAAGATAGCCAGAGGAAAATCTATTTGAAACTAATGATTTGACTATAGTAGAATCAAAGGA
GAAATATGAACACCACTGGTAAAGGTGAAAAATGTTTTTCAGAGAGGGACTTTTCACCCCTTCAAACT
CAAAATTTAATAGAGAAAACATAAAATGTTATTCAACTCAGATGAAGATGGAACATGAAAAAGACA
TTCATTCAAATATGCCAAAAGATTATTTAAGCAAGCAAGAATTCTCCAGTGATGAAGAAATAAGAAACA
GCAGTCCCAAGGATAAACTAAATAATAAATTAAGAGAGAAATGAGAATATGATGGAAGGTAACCTACCG
AAGTGTGCAGCACATAGCAAGGACGAGGCTAGATCCTCTTCTCACAGCAGAGTACATGTGTTGTAACAA
ACTTGTAACCACTAGGCTATGAGAATTGCTAAACAGCAGTCATTGGAACATGTGAGAAAACAGTTTC
TGAAAGTTCAAAATGACAGAACATAGAAAGGTTTCTGATCACATACAGTGGTTTAAACAGCTTTCTTTA
AATGAACCAATAGAATAAAAGTCAAGTCACCTCTTAAGTTTCAGCGTACTCCTGTTCTGTCAGTCCGTCA
GAAGAATTAATCTTTGTTGGAGTATAGCAGAACCTACAGGGCATAAGTTGGCGAGTCTTGGTGATAC
AGCTTCTCCTTTGGTCAAATCAGTGAGCTGTGACGGTGCTTTTCCTCTTGTATAGAAAGTGCATCAAAA
GATTCTCTGTTTCATGTATCAAATCAGGTCTTAAGAACAGAAAGTCCATGTGATGTGAAGAGTCAAATA
TTGGTGAATTTCAAAGTCAAGCATGGAGTTACCTCGAAATCTTTCTTAAGATGAGGAAGCACCAGCA
TTCAGTGAATGCTTCTCTTAGGTCTACTACAGTTTATAAACAGAGATCTTATCTGATGGCCAAGTTAAG
GTTCCCTTGGATGATCTGACTAATCATGATATAGTAAACAGTTGTAATAACAACATGGGCATTTCTT
CTGGGATAAATAACAGGGTCCTTAGGAGACCATCAGAAAGAGGAAGGGCCTGGTACAAAGGTTCTCCAAA
ACATCTATCGGAAAACTCAATTACTACCAACAGTAAACCTGTAGATTGTA
  
```

Restriction Sites: Sgfl-MluI

ACCN: NM_001286480

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).

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:	<u>NM_001286480.1, NP_001273409.1</u>
RefSeq Size:	5279 bp
RefSeq ORF:	2505 bp
Locus ID:	9824
UniProt ID:	<u>Q6P4F7</u>
Cytogenetics:	15q13.3
Gene Summary:	This gene encodes a member of the Rho GTPase activating protein family. In response to DNA damage, the encoded protein interacts with the p53 tumor suppressor protein and stimulates its tetramerization, which results in cell-cycle arrest and apoptosis. A chromosomal deletion that includes this gene is one cause of Prader-Willi syndrome, and an intronic variant of this gene may be associated with sleep duration in children. This gene is highly expressed in colon cancers and in a human basal-like breast cancer cell line. This gene also produces a ARHGAP11A-SCG5 readthrough transcript and ARHGAP11A-SCG5 protein. [provided by RefSeq, Feb 2019] Transcript Variant: This variant (4) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at a downstream in-frame start codon, compared to variant 1. The encoded isoform (3) has a shorter N-terminus than isoform 1. Variants 3 and 4 encode the same isoform (3). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.