

Product datasheet for **SC326265**

ARHGAP42 (NM_152432) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARHGAP42 (NM_152432) Human Untagged Clone
Tag:	Tag Free
Symbol:	ARHGAP42
Synonyms:	AD031; GRAF3; TMEM133
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC326265 representing NM_152432.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCACTG
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Restriction Sites: SgfI-MluI
ACCN: NM_152432
Insert Size: 2625 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:	<ol style="list-style-type: none"> 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_152432.2</u>
RefSeq Size:	4752 bp
RefSeq ORF:	2625 bp
Locus ID:	143872
UniProt ID:	<u>A6NI28</u>
Cytogenetics:	11q22.1
MW:	98.6 kDa
Gene Summary:	<p>This gene encodes a Rho GTPase-activating protein (RhoGAP), and member of the GRAF or BAR-PH family of proteins. Expression of this gene is enriched in vascular smooth muscle cells and the encoded protein inhibits RhoA activity to regulate vascular tone and control blood pressure. A mutation in the first intron of this gene modulates its expression and is associated with reduced blood pressure in human patients with borderline hypertension. [provided by RefSeq, Jul 2017]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. There are no human full-length transcripts representing this gene; the RefSeq is predicted based on tiled partial transcript alignments, but it is unclear if this exon combination exists in vivo.</p>