

Product datasheet for **RG223528**

ARHGAP28 (NM_001010000) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARHGAP28 (NM_001010000) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ARHGAP28
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG223528 representing NM_001010000
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGGAAAAAGGATAAGCAATCTATCAGGGATGTCAGAGACATTTTTGGAGTCAGTGAATCTCCTCCTC
 GTGATACCTGTGGCAACCACACTAATCAGCTGGATGGCACCAAGGAAGAAAGAGAGCTTCCAAGAGTTAT
 CAAGACAAGTGGTTCCATGCCAGATGATGCTTCTCTCAACAGTACTACCTGTCTGACGCATCCCAGGAT
 AAAGAAGGGAGTTTTGCGGTTCCAGGAGTGACTCTGTGGCTATACTTGAGACCATTCCAGTTCTACCAG
 TTCATTCCAATGGATCACCGGAGCCTGGACAGCCAGTTCAGAATGCGATAAGTGATGATTTTTCTGGA
 AAAGAACATTCCACCAGAGGCTGAAGAGCTGCTATTTGAAGTGTCTTATTCAGAAATGGTACGGAGGCT
 CTA AAAAGAAATAAACTAAGAAATCAGAGATTAAGAAAGAAGACTATGTTTTAACTAAATTTAATGTT
 AGAAAACCAGATTTGGCTTAACTGAAGCAGGAGATCTGTCTGCTGAAGACATGAAGAAAAACCGCATCT
 CTCTCTGATTGAATTGACTGCCTTTTTGATGCCTTTGGAATCAACTGAAAAGGAACAAAACAGAGAAA
 GTAAAAGGACGAGACAATGGGATTTTTGGAGTTCACCTTACAGTCTCCTGGACGGTGACCGAAAAGAAAG
 ACCCTGGAGTGAAAGTCCCCTGGTATTACAAAAATTTTTGAGAAAGTTGAGGAATCAGGTCTGGAATC
 TGAAGGAATTTTTCGACTTTCAGGATGACTGCTAAAGTCAAGCAATACCGTGAAGAACTTGATGCCAAG
 TTTAATGCTGATAAAATTTAAATGGGACAAAATGTGCCATAGAGAAGCTGCAGTAATGTTGAAAGCGTTTT
 TCAGAGAACTACCCACCTCTCTCTCCCTGTGGAATATACCTGCCTTCATCAGTCTAATGAAAGAGG
 GCCTCACGTCAAAGTACAGTTTCAAGCCTTACACCTCATGGTCATGGCGTGCCTGATGCCAACAGAGAT
 GCAGCTCAGGCCCTCATGACATTTCTCAATAAAGTGATTGCCAATGAATCAAAAAACCGAATGAGTCTGT
 GGAACATTTCTACAGTGTGGCACCAACCTTTTTCTTCAGTAGAAGCAAACTCTGATTATGAAGAAT
 ACTGTTAGCAAAACACTGCGGCCACATCATCCGCTAATGCTTAAGTACCAGAAGATTTTGTGGAAGGTT
 CCATCTTTCTTAATCACTCAAGTAAGAAGAAATGAATGAAGCCACGATGCTATTGAAGAAGCAGCTCCCAA
 GTGTCAGGAAGCTGCTCAGGAGGAAGACCTCGAGCGGGAGACTGCAAGCCCAAGACTTCAAAGTACT
 GCAAAAATCACCTCGGCAAGACGAATGTCTGACGTGCCGGAAGGAGTCATACGGGTCCATGCTCCACTT
 CTCTCAAAGGTGCCATGGCCATCACTCAACAATCAAACCAAGCCAAAGACATATTGGCAAAATTTT
 AATATGAAAACAGTCATGGTTCATCAGAATGTATTAAGATTGAGAACCAAGGTTATATGAAATTTGAGG
 AAATATAGGAGAGCATTGCTTGGATCCAGATGCTTATATATTGGATGTATATCGTATAAACTCCTCAAGCA
 GAATGGGTGATTAACCCCAACAAGTTCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG223528 representing NM_001010000
 Red=Cloning site Green=Tags(s)

MRKKDKQSIRDVRDIFGVSESPPRDTCGNHTNQLDGTKEERELPRVIKTSGSMPPDASLNSTTLDASQD
 KEGSFVPRSDSVAILETIPVLPVHNSGPEPQPVQNAISDDDFLEKNIPPEAEELSFEVSYSEMVT
 LKRNKLLKSEIKKEDYVLTKFNVQKTRFGLTEAGDL SAEDMKKIRHLSLIELTAFDFAFGIQLKRNKTEK
 YKGRDNGIFGVPLTVLLDGRKKDPGVKVPVLVQKFFEKVEESGLESEGIFRLSGCTAKVKQYREELDAK
 FNADKFKWDMCHREAAVMLKAFFRELPTSLFPVEYIPAFISLMERGPHVKVQFQALHLMVMALPDANRD
 AAQALMTFFNKVIANESKNRMSLWNI STVMAPNLFFSRSKHSDYEELLLANTAHHIIRLMLKYQKILWKV
 PSFLITQVRRMNEATMLLKKQLPSVRKLLRRKTLERETASPKTSKVLQKSPSARRMSDVPEGVIRVHAPL
 LSKVSMAIQLNNQTKAKDILAKFYENSHGSSECIKIQNQRLYEIGGNI GEHCLDPDAYILDVYRINPQA
 EWVIKPPQSS

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

ORF Size:	1710 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_001010000.3
RefSeq Size:	5482 bp
RefSeq ORF:	1713 bp
Locus ID:	79822
Cytogenetics:	18p11.31