

Product datasheet for **SC303944**

RAB3GAP1 (NM_012233) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RAB3GAP1 (NM_012233) Human Untagged Clone
Tag:	Tag Free
Symbol:	RAB3GAP1
Synonyms:	P130; RAB3GAP; RAB3GAP130; WARBM1
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_012233, the custom clone sequence may differ by one or more nucleotides

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ATGGCTGCCGACAGTGAGCCGAATCCGAGGTATTTGAGATCACGGACTTCACCACTGCC
TCGGAATGGGAAAGGTTTATTTCCAAAGTTGAAGAAGTCTGAATGACTGGAACTGATT
GGAAACTCTTTGGGAAAGCCACTCGAAAAGGATATTTACTTCTGGCACATGGGAAGAG
AAATCAGATGAAATTTCTTTGCTGACTCAAGTTCTCAGTCACTCATATTATCTTGTA
CAAGAGTCCACTGATAAAGAAGGAAAGGATGAGTTATTAGAGGATGTTGTTCCACAATCT
ATGCAAGATTTGCTGGGTATGAATAATGACTTTCTCCAAGAGCACATTGCCTGGTAAGA
TGGTATGGGCTACGTGAGTTCGTGGTGATTGCCCTGCTGCACACAGTGACGCTGTTCTC
AGCGAATCTAAGTGCAACCTTCTCTGAGTTCGTTTCTATTGCCTTGGGAAACTGGC
TGTCAGGTGCCACTCTTTGTGCAAATTCACCACAAATGGCGAAGAATGTATGTAGGAGAA
TGTCAAGTCTGGTGTACGAACTGATTTGAAATGGTTCATCTTAGAAAAGTGCCAAAT
CAGTACACTCACTTATCAGGTCTGCTGGATATCTTCAAATCAAAGATTGGATGTCCTTTA
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TCAAATATGGTACACACTGCAAAGAAGAAAATCCGAAAACACAGAGGTGTAGAGGAGTCA
CCGCTAAATAATGATGTTCTTAATACTATTCTCCTGTTCTTATTCCCTGATGCTGTTTCT
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TTAGCAAGTGGACCCCGATCTGAGGTGTTGTTTACTGCATCAGAACTACAGATGTTA
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GTCATAATATATCCAGGGGATGCTGGAAAAGCAGGAGACCAGTTGGTGCCAGATAAT
CTAAAAGAAACAGATAAGGAAAAGGGAGAGGTAGGAAAATCTTGGGATTCCTGGAGTGAC

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AGCGAAGAAGAATTTTTGAATGCCTAAGTGATACTGAAGAACCTAAAGGAAATGGACAA
GAGAGTGGCAAGAAAGGAGGACCTAAGGAGATGGCAAATTTAAGGCCGGAAGGACGGCTC
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CAGGAACCAGCACCTATGACAGAAGATCTGCTAGAAGAGCAGTCTGAAGTTTTAGCTAAA
TTAGGTACATCGGCAGAGGGGGCTCACCTTCGAGCACGCATGCAGAGTGCCTGTCTGCTC
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TTCCCAATCCAGAAGACAAGAAATTGGAAGAAATCATTACCAGATTACTAATGTGGAA
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GAGGAAAAGAGGCAAGTCCGTGTCAGACTTCCACCCCTGCTGGCCGGGAATTCATT
TTGCGCACCACTGTGCCGCGCCCTGCTCCCTACTCCAAGCTCTGCCTCAGCGGATGTAC
AGTGTCTCACCAAGAGGACTTTAGACTTGCAGGTGCCTTTTCATCAGATACTTCTCTC
TTCTGA
    
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Restriction Sites:	Please inquire
ACCN:	NM_012233
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:	NM_012233.1 , NP_036365.1
RefSeq Size:	4179 bp
RefSeq ORF:	2946 bp
Locus ID:	22930

UniProt ID: [Q15042](#)

Cytogenetics: 2q21.3

Gene Summary: This gene encodes the catalytic subunit of a Rab GTPase activating protein. The encoded protein forms a heterodimer with a non-catalytic subunit to specifically regulate the activity of members of the Rab3 subfamily of small G proteins. This protein mediates the hydrolysis of GTP bound Rab3 to the GDP bound form. Mutations in this gene are associated with Warburg micro syndrome. Alternate splicing results in multiple transcript variants.[provided by RefSeq, Feb 2010]

Transcript Variant: This variant (2) lacks an in-frame exon in the coding region, compared to variant 1. The encoded isoform (2) is shorter than 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. The genomic coordinates used for the transcript record were based on transcript alignments.