

Product datasheet for **SC338060**

RALGAPB (NM_001282917) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RALGAPB (NM_001282917) Human Untagged Clone
Tag:	Tag Free
Symbol:	RALGAPB
Synonyms:	KIAA1219; RalGAPbeta
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001282917, the custom clone sequence may differ by one or more nucleotides

ATGTACTCTGAGTGGAGGTCACATGTCATTTGGTGATTGAGAATGATCAAGGCCATACCAAGTGTGCTGCACA
GCTATCCAGAGAGCGTTGGACGAGAGGTGGCAATGCTGTAGTCCGTCTCTTGGGCAGGTGTTAGGTAC
CCCTTCAGTGGCTGGTAGTGAGAATTTGTTAAAACTGACAAAGAAGTAAATGGACCATGGAAGTAATT
TGCTATGGACTGACCCTTCCATTGGATGGAGAGACTGTAAATATTGCGTTGATGTATATACAGACTGGA
TTATGGCTTTAGTGTGCAAAAAGATTCTATTCCATTGCCAGTTATTAAGAGCCTAATCAATATGTTCA
AACTATACTAAAACACCTACAGAATCTTTTTGTACCAAGACAGGAACAGGGTTCCAGTCAGATTCGACTA
TGCTTACAGGTCCTGAGAGCCATTGAGAACTGGCCCGTGAGTCATCTCTCATGGCCCGAGAACTTGGG
AAGTCTTACTGTTGTTTCTTCTGCAGATTAACGACATACTTCTGGCCCCACCACTGTTCAAGGTGGCAT
TGCTGAGAATCTAGCAGAGAAGTTGATTGGTGTCTCTTTGAGGTGTGGTTACTAGCTTGTACTCGGTGC
TTCCCAACACCTCCTTATTGGAAAACAGCCAAGGAGATGGTGGCTAACTGGAGGCATCACCACGAGTGG
TGGAGCAGTGGAGCAAGGTCATTTGTGCACTCACTTCCAGATTGCTACGCTTTACATATGGTCCTTCATT
TCCTGCATTTAAAGTTCCCGATGAAGATGCCAGTCTGATCCCTCCAGAAATGGATAATGAGTGTGTTGCA
CAGACATGGTTTTGCTTTTTACACATGTTAAGTAATCCTGTGGATTTGAGTAACCCAGCTATTATAAGCT
CTACTCCCAAATTCAGGAACAGTTCTTGAATGTGAGCGGAATGCCGCAAGAAATGAATCAGTATCCCTG
CCTTAAACATCTGCCTCAAATATTTTTTCGTGCCATGCGTGGAATCAGCTGTCTGGTGGATGCATTCTTA
GGTATTTCTAGACCCCGATCAGACAGTGTCTCCCCAACACCCGTGAATAGATTAAGTATGCCTCAAAGTG
CTGCTGTCAAGTACCACCCCCACATAACCGGAGGCACCGGGCTGTTACTGTGAATAAGGCCACCATGAA
GACAAGCACAGTTAGTACTGCTCATGCCTCTAAAGTTCAGCACCAGAGCTCTCCACCTCTCCTGTGCA
AGTCCAAATCAGACTAGTTCAGAACCCCGGCCACTGCCTGCCCTCGGAGACCAAGGTTAACAGCATCT
TGAATCTCTTTGGATCATGGTTATTTGATGCAGCATTTGTTCACTGTAACTTCATAATGGGATAAACAG
AGACAGCAGCATGACTGCCATTACAACACAAGCTAGCATGGAGTTTCGACGGAAGGGTCACAAATGTCC
ACAGACACCATGGTTTCCAATCCTATGTTTGATGCAAGTGAATTCCTGATAACTATGAAGCAGGAAGAG
CTGAGGCTTGTGGGACACTGTGTAGGATTTTTGTAGCAAGAAGACTGGAGAAGAGATTCTGCCAGCTTA
TTTATCCAGATTTTACATGCTTTTAATTAAGGTTTGCAGATAAATGATTATGTGTGCCATCCTGTCTTG
GCCAGCGTTATTCTAACTCTCTCCTTTGTTCTGCTGTGACTTGAAAGGGATTGATGTTGTGGTTCCCT
ACTTTATTTCACTCTTGAAACCATTTTGCCTGACAGAGAAGCTCTCAAAATTCAAAGCTATGTAATCC
AACAGAATTGCGAAGATCCTCATTAAATATCCTGCTTTCTTTGTTGCCCTCCCTCATCATTGTCACA



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GTCAAATCTGAGGTGGTCTGGAAGGAAAGTTTAGTAACGATGACAGCTCTTCTTATGATAAACCAATAA
CTTTTCTGTCCCTGAAGTTGAGACTTGTGAATATTAATAGGTGCCTTGCAAAGTAAACCGGACCCCAA
CAACACCCAAATGATATTAGGGGCAATGTTAAATATTGTTCAAGATTGAGCACTTTTGAAGCCATTGGT
TGCCAGATGGAGATGGTGGTGGAGAAAATAACCTGAAGAGTCATAGTCGCACCAATAGTGGTATTAGTT
CAGCAAGTGGTGGAGCACGGAGCCACGACTCCCGATAGTGAGAGACCTGCTCAAGCTCTCTTAAGAGA
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TGTGTCTGGCTGACAGAGCACCTGATATGCTTGATGAAAAGGACTGCCTTAAGGAAGTACTGGAGATTG
TGGAATGGGTATCTCAGGAAGTAAGTCCAAGAACAATGAGCAAGAGGTCAAGTACAAAGGAGATAAGGA
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GGCGCATTTCTTCACTAGTGGTCTGCTCTCTTGTAGTCTTGTGAATGAGACCACTTTGATTAAAT
ACTCCAGGCTGCCAACATAACAAGCATAGTTTCCGGTACTTTGTCTTGATAACAGTGCATCCTGGC
AATGCTGGAACAACCTCTTGAAATGAGCAGAATGATTTTTTCCCTCTGCTCACTGTGCTGGTCCGGGGA
ATGCTGTGAAGACTTGCTTGGGCACAACAGCTTTGTCTTTTACCAGAGGAGCAAAAGCAATCAGAAGC
TTTTTGTACCTGAACCTCGCCAGTTTCTAAAAATGACGTTGGATTTAAATATTCTGTGAAACATCGGCC
ATTTCTGAAGAGGTGGACAAGATTCTTTTGTGAAAGCAGATCTCAGCATTCCAGATTTGCATGAAATA
GTCAGTGAAGAATTAGAAGAGAGACACGAAAAATTAAGGAGTGGCATGGCCAGCAGATTGCTTATGAAA
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GCCCCGCTCTGCCCAGGAATTCCAACAGCCCGCTTTTCTCTCACACTTTGGATTTTGTCTTGA
GAAGCACTGAAGGAACCTGCAAAATAGTCGTCTACCTCCTCACCTTATTGCACTTGATTCCACGATACCTG
GATTTTTTGTGACATTGGGTATCTGGATCTCTTGCCATGTCGCTTTTGACACAGTTTTTATTTTCTA
TATGAAGCCAGGTGAGAAAACGAACCAAGAGATTTTAAAGAATGTGGAGTCTTCCAGAACTGTTCCAGCCA
CATTTCTAGAATTTTTGCTTTCCCTTGCTGGTCACTAGATGTGGGCAGACACCCTGGTTGGACTGGGC
ATGTTTCTACCAGTTGGTCTATTAATTGTTGTGATGATGGTGAAGGATCTCAACAAGAAGTATTTCCTC
TGAAGATATTGGAGCTAGCATTTTCAATGGACAGAAGAAGGTGCTGTATTATGCTGATGCCCTTACAGAA
ATTGCTTTTGGTTCTTCTCTGTTGAGTCTTAAGTATTGAAAGTAACATCTCGGACCAAG
ATAGTGATTCAAATATGGATCTTATGCCAGGAATTCTGAAACAGCCATCCCTGACACTTGAGCTTTTCCC
CAATCATACAGACAATCTTAATTCCTCACAGAGGCTCAGTCCAGTTCAGAATGAGGAAGTGCCTCAG
GGTCCCTGTTCTCCCTTGACCTGAGACAAGAGTTTCTGTAGTCTGGTGGAAACGCTATGATGATA
TAGAAAATTTCCCTCTCAGAGCTGATGACAGAGATCAGTACTGGTGTGGAAACTACTGCAAAATAGTAG
CACTTCACTGAGATCTACAACCTCTGAAAAAGAAGTTCCTGTCTCTTCACTCCACCTTTAAACACTGGA
TTATTCGGATAAAAAATCAAGGAGCCACTGAAAAATTAATATGGTCACTCCCTCTTGTGGATGGGATGA
TTGTGACGAGGCGAGCTCTTGGCTTTCTGGTGAGGCAGACTGTAATTAACATTTGTAGAAGAAAGAGACT
GGAAAGTGACTCTACAGTCCCCCATGTCCGCCGGAACAGAAAAATCACCGACATTGTCAACAAGTAC
CGGAACAAGCAGCTGGAGCCAGAGTTTATACTTCACTTTTCCAGGAGGTTGGACTCAAGAACTGCAGTT
CTTAG

Restriction Sites: SgfI-MluI

ACCN: NM_001282917

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_001282917.1, NP_001269846.1</u>
RefSeq Size:	8541 bp
RefSeq ORF:	4485 bp
Locus ID:	57148
UniProt ID:	<u>Q86X10</u>
Cytogenetics:	20q11.23
Gene Summary:	Non-catalytic subunit of the heterodimeric RalGAP1 and RalGAP2 complexes which act as GTPase activators for the Ras-like small GTPases RALA and RALB.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 encode the same isoform (1).