

Product datasheet for **SC114811**

RABGAP1L (NM_014857) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RABGAP1L (NM_014857) Human Untagged Clone
Tag:	Tag Free
Symbol:	RABGAP1L
Synonyms:	HHL; TBC1D18
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_014857, the custom clone sequence may differ by one or more nucleotides

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ATGGAGGTCAGAGCTTCATTACAGAAGGTTAGTGGATCATCTGATTCTGTGGCTACAATGAACAGTGAAG
AATTTGTTTTGGTTCCTCAGTATGCAGATGATAATTCTACAAAACATGAAGAAAAACCTCAACTGAAGAT
AGTTTCTAATGGTGATGAACAATTGAAAAAGCCATGGAAGAGATTTTGAGAGATTTCCGAGAAAAAGGCCA
AGCAGTCTTCTTGTGATTGTCAAAGTTCCAGTGAGATTCAGACCATTGTTTGGAGATATTCAGGCCA
GCCAAACAAATAAGCCATCTCTTCAGTTAATTTTGGATCCGTCTAACACAGAAATTTCTACACCCAGACC
ATCTTCTCCAGGTGGACTACCTGAAGAAGATAGTGTTTTATTTAATAAACTGACCTACTTAGGATGTATG
AAGGTTTCTTCCCAAGTAATGAAGTAGAGGCTTACGGGCAATGGCAACCATGAAATCTTCCAGTCAAT
ACCCCTTCTCTGTACCCTGTATGTACCAATGTTCCAGAAGTTCTGTGAGAATTATAGACCAATCCAG
CAATGTGGAGATAGCATCTTTTCCAATCTATAAGGTGTTATTCTGTGCACGTGGACATGACGGAACAACA
GAGAGCAATTGCTTGCATTTACAGAGAGTTCCCATGGTTCGGAAGAATTCAGATACATGTTTTCTCCT
GTGAAATTAAGAGGCAGTAAGCAGAATTTGTACAGTTTCTGTACAGCATTCAAACGTTCTTCCAGACA
AGTGTCTGATGTTAAAGACTCAGTTATTCTACCCCGACAGTGATGTGTTACCTTCAGTGTCTCCTTG
GAGGTAAGAAGACGATGGAAGGAACTTTAGCCCTGTGCCTAAGGATAGAGATAAATTTATTTCA
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CAGTATTTCTGGCACTTAACGAGGAAACCCCAAGATAAGCAAGTATACATGACTGTGGCAGTGGATAT
GGTAGTCACAGAGGTGGTGGAGCCTGTTTCGCTTCTCCTGGAGACAGTAGTCCGTGTGTACCCTGCAAT
GAGCGATTTTGGTATTTACAGAGAAAGACTTTCACAGAGACTTTCTTCATGAGATTGAAACAGTCTGAGG
GAAAAGGCCATACCAATGCTGGAGATGCAATATAGAGGTGGTGAGTCTACAGCGAGAGTCTGACAAGGA
GGAACCAAGTCACTCCTACTAGTGGAGGGGTCCAATGTCACCCAGGATGATGAAGCAGAAGAGGAGAGT
GATAATGAACTCTCAAGTGAACAGGTGATGTGTCTAAGGATTGTCTGAGAAGATCCTGTATTCTTGGG
GAGAGTTGCTAGGAAAATGGCACAGTAACCTTGGTGCACGACCGAAAGGGCTGTCTACTCTGGTGAAGAG
TGGTGTCCCTGAAGCATTGAGGGCAGAGGTATGGCAGTTATTGGCAGGCTGCCATGACAACCAAGCAATG
CTGGATAGATACCGAATTCTTATCACAAGGACTCAGCCAGGAGAGTGTATTACTCGAGATATTCATC
GTACATTTCCCGACATGATTACTTTAAGATACTGGAGGAGATGGTCAAGAATCGCTCTATAAGATCTG
CAAGGCCTACTCTGTGTATGATGAAGACATTGGGTACTGTCAAGGGCAGTCTTTTCTTGCTGCTGTATTA
CTGCTGCATATGCCAGAGGAACAAGCATTCTGTGTTTTGGTGAAAATCATGTACGACTATGGTTTGAGAG
ACCTCTACAGAAACAACCTCGAAGATCTTCATTGCAAAATCTACCAAGTTGGAGAGACTAATGCAGGAACA
GCTACCGGACCTGCATAGCCATTTTCTGATCTGAACCTGGAAGCTCATATGTATGCATCCCAAGTGGTTT
CTCACTCTTTTACTGCCAAGTCCCACTCTGCATGGTGTCCACATCATTGACTTACTGCTTTGTGAGG
GTTTGAACATAATCTTTTCATGTAGCTTTGGCTCTCCTAAAGACCTCAAAGGAAGACCTTCTGCAGGCTGA
TTTTGAAGGTGCTTTAAGTTCTTTAGAGTTTCAAGGAGATACAGGGCAGAGGAAATGCAAGA
AGACTGATGGAGCAGGCTTGCAATATTAAGTACCAACCAAGAAGCTGAAGAAATATGAGAAAGAATATC
AGACAATGCGAGAGAGTCAGCTGCAACAGGAAGACCAATGGATAGATACAAGTTGTATATTTGTAG

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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_014857 unedited <pre> NGGTCAAATTTGTATACGACTCATATAGGGCGGCCGCGATTTCGGCACGAGNAGACCCTTC TAAGCAGCTTGTCCGTTTTTACACATGTATCTGAACTCTCCTGCATCACTCTTGCCATT TTCTCGCATTGCGATTGCTTTTGCCGTTTTTATTTAGATCAGTACTTGATTTCAATTTCA TTTTCCAGTCTACTTTGGGGTTCTCGCAGTGGATAATTTAGCCAAATGTTTTCTTG GAGACATTAGCTGACAATCCCACCACAGACTGGCTTGACGTCCTCCAGGGAGACCTA AACCTGGCTCCCCTCCCACCGCAGTTCTTAATATTGTGGATAAGAGATCCATCTTTCTCA TTCTGGATACCTACTTAGTGCTCATGGAAGAAGGGGTGCCCTGCCAGCCCCAGCTGCTA AGCTCACACCTCCTGTCAAAAAGTCCCAGGACATGCACGACGAGAGGAGCAAGCTGGTGA ATGAGTATGCGTGTGAGTGCTGGAACCTCTGGGGATGGGGCATCGTCTGTTTGTGCCTC GGCTTCTGGCGACCTCAAAGGAAGACCTTCTGCAGGCTGATTTTGAAGGTGCTTTAAAGT TCTTTAGAGTTTCAGCTTCCAAGAGATACAGGGCAGAGGAAAATGCAAGAAGACTGATGG AGCAGGCTTGCAATATTAAGTACCAACCAAGAAGCTGAAGANATATGAGAAAGAATATC AGACAATGCGAGAGAGTCAGCTGCAACAGGAAGACCCAATGGATAGATACCAGAGGGAGA AACCGAGATTACAGGNAGCCAGCATGAGGTTGGAACAGAGAATGATGACCTTGCCCATG NNACTAGTACCAGCCAAATTGCTCTACGAATGACTTGGATCANGCAGAAGACAGGCAGA T </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_014857
Insert Size:	1870 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).
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_014857.1</u> , <u>NP_055672.1</u>
RefSeq Size:	3022 bp
RefSeq ORF:	1113 bp
Locus ID:	9910
UniProt ID:	<u>Q5R372</u>
Cytogenetics:	1q25.1

Gene Summary:

GTP-hydrolysis activating protein (GAP) for small GTPase RAB22A, converting active RAB22A-GTP to the inactive form RAB22A-GDP (PubMed:16923123). Plays a role in endocytosis and intracellular protein transport. Recruited by ANK2 to phosphatidylinositol 3-phosphate (PI3P)-positive early endosomes, where it inactivates RAB22A, and promotes polarized trafficking to the leading edge of the migrating cells. Part of the ANK2/RABGAP1L complex which is required for the polarized recycling of fibronectin receptor ITGA5 ITGB1 to the plasma membrane that enables continuous directional cell migration (By similarity).[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) contains novel exon structure at both its 5' and 3' ends, and thus differs in both UTRs and in the 5' and 3' coding regions, compared to variant 4. The encoded isoform (A) has distinct N- and C-termini, and is significantly longer than isoform C.