

Product datasheet for **SC318295**

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:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >SC318295 representing NM_014857.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGGAGGTCAGAGCTTCATTACAGAAGGTTAGTGGATCATCTGATTCTGTGGCTACAATGAACAGTGAA
GAATTTGTTTTGGTTCCCTCAGTATGCAGATGATAATTCTACAAAACATGAAGAAAAACCTCAACTGAAG
ATAGTTTCTAATGGTGATGAACAATTGGAAAAAGCCATGGAAGAGATTTTGAGAGATTCGGAGAAAAGG
CCAAGCAGTCTTCTTGTTGATTGTCAAAGTTCAGTGAGATTTTACAGACATTCTGTTGGAGATATTCCA
GCCAGCCAAACAAATAAGCCATCTCTTCAGTTAATTTTGGATCCGTCTAACACAGAAATTTCTACACCC
AGACCATCTTCTCCAGGTGGACTACCTGAAGAAGATAGTGTATTTAATAAACTGACCTACTTAGGA
TGTATGAAGGTTTCTTCCACGTAATGAAGTAGAGGCTTTACGGCAATGGCAACCATGAAATCTTCC
AGTCAATACCCCTTCTGTTACCCTGTATGTACCAATGTTCCAGAAGGTTCTGTGAGAATTATAGAC
CAATCCAGCAATGTGGAGATAGCATCTTTCCAATCTATAAGGTGTTATTCTGTGCACGTGGACATGAC
GGAACAACAGAGAGCAATTGCTTTGCATTTACAGAGAGTCCCATGGTTCGGAAGAATTTAGATACAT
GTTTTCTCCTGTGAAATTAAGAGGCAGTAAGCAGAATTTGTACAGTTTCTGTACAGCATTCAAACGT
TCTTCCAGACAAGTGCTGATGTTAAAGACTCAGTTATTCCTACCCCGACAGTGATGTGTTACCTTC
AGTGTCTCCTTGGAGGTAAGAAGACGATGGAAGGAACTTTAGCCCTGTGCCTAAGGATAGAGAT
AAATTTTATTTCAAATTAAGCAAGGAATAGAGAAGAAGGTTGTGATTACAGTGCAGCAACTTTCTAAC
AAAGAATTAGCTATTGAAAGATGTTTGGAAATGTTATTAAGCCAGGTCGAAACGTGAAGAACAGTGAC
ATGCATTTACTGGATATGGAATCCATGGGAAAGAGCTATGATGGGAGAGCTTATGTCATCACTGGCATG
TGGAACCCCAATGCACCAAGTATTTCTGGCACTTAACGAGGAAACCCAAAAGATAAGCAAGTATACATG
ACTGTGGCAGTGGATATGGTAGTCACAGAGGTGGTGGAGCCTGTTGCTTTCTCCTGGAGACAGTAGTC
CGTGTGTACCCTGCAAAATGAGCGATTTTGGTATTTTACAGCAGAAAGACTTTACAGAGACTTTCTTCATG
AGATTGAAACAGTCTGAGGGAAGGCCATACCAATGCTGGAGATGCAATATATGAGGTGGTGAAGTCTA
CAGCGAGAGTCTGACAAGGAGGAACCACTCCTACTAGTGGAGGGGTCGAATGTCACCCAGGAT
GATGAAGCAGAAGAGGAGAGTGATAATGAATCTCAAGTGAACAGGTGATGTGCTAAGGATTGCCT
GAGAAGATCCTGTATTCTTGGGAGAGTTGCTAGGAAAATGGCAGTAACCTTGGTGCACGACCGAAA
GGGCTGTCTACTCTGGTGAAGAGTGGTGTCCCTGAAGCATTGAGGGCAGAGGTATGGCAGTTATTGGCA
GGCTGCCATGACAACAGGCAATGCTGGATAGATACCGAATCTTATCACAAGGACTCAGCCAGGAG
AGTGTATTACTCGAGATATTCATCGTACATTTCCCGCACATGATTACTTTAAAGATACTGGAGGAGAT
GGTCAAGAATCGCTCTATAAGATCTGCAAGGCCTACTCTGTGTATGATGAAGACATTGGGTACTGTCAA
GGGCGAGTCTTTCTTGCTGCTGTATTACTGCTGCATATGCCAGAGGAACAAGCATTCTGTGTTTTGGTG
AAAATCATGTACGACTATGGTTTGAGAGACCTCTACAGAAACAATTCGAAGATCTTCATTGCAAAATTC
TACCAGTTGGAGAGACTAATGCAGGAACAGCTACCGGACCTGCATAGCCATTTTCTGATCTGAACCTG
GAAGCTCATATGTATGCATCCAGTGGTTTCTCACTCTTTTACTGCCAAGTTCCTCACTCTGCATGGTG
TTCCACATCATTGACTTACTGCTTTGTGAGGTTTGAACATAATCTTTCATGTAGCTTTGGCTCTCCTA
AAGACCTCAAAGGAAGACCTTCTGCAGGCTGATTTTGAAGGTGCTTTAAAGTTCTTTAGAGTTACGCTT
CCAAAGAGATACAGGGCAGAGGAAAAATGCAAGAAGACTGATGGAGCAGGCTTGCAATATTAAGTACCA
ACCAAGAAGCTGAAGAAATATGAGAAAGAAATATCAGACAATGCGAGAGAGTCAGTGCAACAGGAAGAC
CCAATGGATAGATACAAGTTTGTATTTGTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
  
```

Restriction Sites: SgfI-MluI
ACCN: NM_014857
Insert Size: 2448 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:	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_014857.4</u>
RefSeq Size:	3022 bp
RefSeq ORF:	2448 bp
Locus ID:	9910
UniProt ID:	<u>Q5R372</u>
Cytogenetics:	1q25.1
MW:	92.5 kDa
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.