

Product datasheet for **SC302826**

RABGAP1L (NM_001035230) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RABGAP1L (NM_001035230) Human Untagged Clone
Tag:	Tag Free
Symbol:	RABGAP1L
Synonyms:	HHL; TBC1D18
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001035230, the custom clone sequence may differ by one or more nucleotides ATGATGGAAGAAATCTCCATTATGGTAGCCTATGACGCCCATGTTTTTCAGCCAGCTGCAC GATGAAGACTTCCTCACTAGTCTGGTGGCCATCAGCAAGCCCAGGTCTATGGTACCAACC AAGAAGCTGAAGAAATATGAGAAAGAATATCAGACAATGCGAGAGAGTCAGCTGCAACAG GAAGACCAATGGATAGATACAAGTTTGTATATTTGTAG
Restriction Sites:	Please inquire
ACCN:	NM_001035230
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.



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RefSeq: [NM_001035230.1](#), [NP_001030307.1](#)

RefSeq Size: 787 bp

RefSeq ORF: 219 bp

Locus ID: 9910

UniProt ID: [Q5R372](#)

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 (2) 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 (B) has distinct N- and C-termini, and is significantly shorter than isoform C. Both variants 2 and 3 encode isoform B.