

Product datasheet for **RC233553**

RABGAP1L (NM_001243764) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RABGAP1L (NM_001243764) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RABGAP1L
Synonyms:	HHL; TBC1D18
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC233553 representing NM_001243764 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATTGAAAACAGTAGTTGGTCTATGACTTTTGAGGAGAGGGAGAACCAGATTACAGGAGGCCAGCA
TGAGGTTGGAACAAGAGAATGATGACCTTGCCCATGAAGTAGTAACAAGCAAAATTGCTCTACGGAATGA
CTTGGATCAGGCAGAAGACAAGGCAGATGTGTTGAATAAAGAGCTCCTTTTGACCAACAGAGGCTGGTG
GAGACTGAAGAGGAGAAGAGGAAGCAAGAGGAAGAGACTGCCAGCTAAAAGAAGTCTTCAGGAAACAGC
TAGAGAAGGCAGAATATGAAATAAAGAAGACTACAGCTATCATTGCTGAGTATAAACAGATCTGTTGCA
GTTGAGTACCAGGCTGGAGAAACAGCAAGCAGCCAGCAAGGAGGAGCTGGAAGTGGTAAAGGGTAAGATG
ATGGCATGCAAACACTGCAGTGACATTTTCAGCAAGGAGGGTGCTTTGAAACTAGCAGCCACAGGCAGAG
AGGACCAGGGAATTGAAACAGATGATGAGAAGGACTCACTTAAGAAGCAGCTGAGAGAGATGGAAGTGA
ACTGGCACAACCAAACTGCAGTTGGTGGAGGCCAAGTGTAATTCAGGAAGTGAACATCAGAGAGGA
GCCCTTATGAATGAAATCCAAGCTGCGAAAACTCTTGTTTAGCAAAACCCTGAAGTCTATCAAAACGG
CCACGGGCACCCAGCCATTGCAGCCAGCACCGGTACCCAGCCACCCAAGGAGAGCACA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

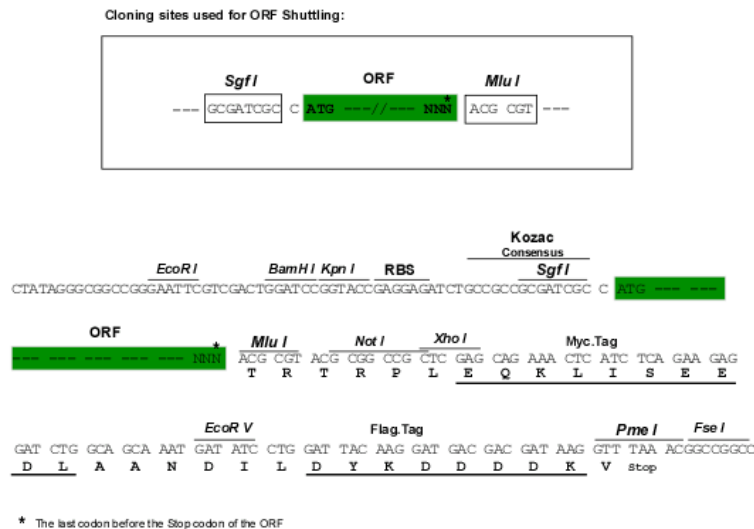
Protein Sequence: >RC233553 representing NM_001243764
 Red=Cloning site Green=Tags(s)

MIENSSWSMTFEERENRRLQEASMRLEQENDDLAHELVTSKIALRNDLDQAEDKADVLNKELLLTKQRLV
 ETEEEKRKQEEETAQLKEVFRKQLEKAEYEIKTTAIIAEYKQICSQSTRLEKQQAASKEELEVVKGKM
 MACKHCSDIFSKEGALKLAATGREDQGIETDDEKDSLKKQLREMELELAQTKLQLVEAKCKIQELEHQRG
 ALMNEIQAAKNSWFSKTLNSIKTATGTQPLQPAPVTQPPKEST

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001243764

ORF Size: 759 bp

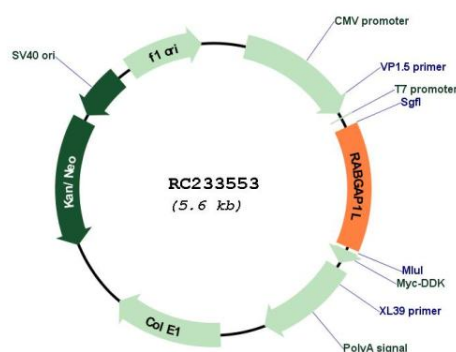
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001243764.2</u>
RefSeq Size:	6266 bp
RefSeq ORF:	762 bp
Locus ID:	9910
UniProt ID:	<u>B7ZAP0</u>
Cytogenetics:	1q25.1
MW:	29.5 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]

Product images:



Circular map for RC233553