

Product datasheet for MR220205

Rabgap1l (NM_001038621) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rabgap1l (NM_001038621) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rabgap1l
Synonyms:	5830411O09Rik; 8430421H08Rik; 9630005B12Rik; AW049894; Hh1; HHL; mKIAA0471
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR220205 representing NM_001038621 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAAGAAGGGGTGCCCTGCCAGCCCCAGCTGCTAAGCTCACACCTCCTGTCAAAAAGTCCCAGGACA
TGCACGACGAGAGGAGCAAGCTGGTGAATGAGTATGCATGTCGAGTGTGGAACCTCTGGGGATGGGCA
TCGGCTGTTTGTCCACGGCTTCTGGCGACCTCAAAGGAAGACCTCCTTCAGGCTGATTTTGAAGTGCT
TTGAAGTTTTTTCAGGTTTCAGCTTCCAAGAGATACCGGGCAGAGGAGAATGCAAGAAGATTGATGGAAC
AGGCTTGAATATTAAGTACCAACCAAAAAGCTGAAGAAATATGAAAAAGAATATCAGGCGATGCGGGA
GAATCAGCTGCAGCAGGAGGACCAATGGATAGATACAAGAGGGAGAACCGAAGATTACAGGAGGCCAGC
ATGAGGTTGGAACAAGAAAATGATGACCTTGCCCATGAACTAGTGACAAGCAAAATTGCTCTGCGGAATG
ACTTGGATCAGGCAGAAGACAAGGCTGATGTGCTGAATAAGGAGCTCCTCTTTACCAAGCAGAGGTTGGT
GGAGACTGAGGAAGAGAAGGAAGCAAGAGGAGGAGACCCAGCTAAAAGAAGTCTTCAGGAAACAG
TTAGAAAAGGCAGAATATGAGATAAAGAAGACAACAGCTATCATTGCTGAGTATAAACAGATATGTTCTC
AATTAAGTACCAGGCTGGAGAAACAGCAAGCAGCCAGCAAGGAGGAGCTAGAAGCAGTAAAGGGTAAAGT
GATGGCATGCAAACTGCACTGATATCTTCAGCAAGGAAGGAGCTTTAAAGCCAGTGGCCGTAATAGA
GAGGACCAGGACTTGAAGCAGATGATGAAAAGGACTCACTTAAGAAGCAGCTGAGGGAGATGGAAGTGG
AACTGGCACAGACCAAACTGCAGCTGGTGAAGCCAAGTGCAAAATCCAGGAACTTGAGCATCAGAGAGG
AGCGCTTATGAATGAAATACAAGCTGCAAAAACTCTTGTTTAGTAAAACCTGAACTCTATCAAAAACA
GCCACAGGCACTCAGCCACTACAGCCGCCACAGGCTCCCCAGCCACCCAAGGAGAGCACACA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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: [NM_001038621.2](#), [NP_001033710.1](#)

RefSeq Size: 6338 bp

RefSeq ORF: 1113 bp

Locus ID: 29809

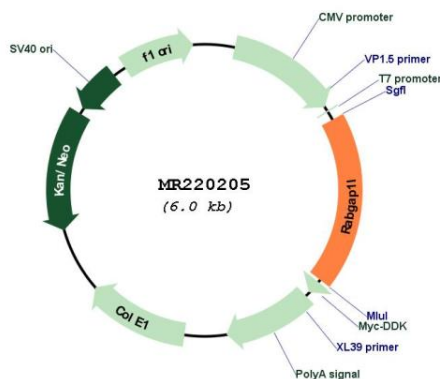
UniProt ID: [A6H6A9](#)

Cytogenetics: 1 H2.1

MW: 43.2 kDa

Gene Summary: GTP-hydrolysis activating protein (GAP) for small GTPase RAB22A, converting active RAB22A-GTP to the inactive form RAB22A-GDP (By similarity). 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 (PubMed:27718357). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR220205