

Product datasheet for **MC221806**

Rabgap1l (NM_013862) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rabgap1l (NM_013862) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rabgap1l
Synonyms:	5830411O09Rik; 8430421H08Rik; 9630005B12Rik; AW049894; Hh1; HHL; mKIAA0471
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC221806 representing NM_013862
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGGTCAGAGCTTCGTTCCAGAAGGTTAGTGGGTCATCTGATTCTGTGGCCACACTGAACAGTGAAG
 AATTTGTTTTGGTTTCTCAGCACACAGATGCCACTTCTATAAAGGATGATGGGAAGCCACAGCTGAAGAT
 AGCTTCCAATGGTGATGAGCAGTTGGAAAAAGCCATGGAAGAGATTTTGAGAGATTCGAGAAAAGGACAA
 AGCGGTCTACCTGTTGATTGCCAAGGATCCAGTGAGATTTAGACTGTCCCTTTGGAGATGTGCCGGCCA
 GCCAAACAATAAGCCGCTCTCCAGTTAATTTGGATCCATCTAATACAGAAATTTCCACACCCAGACC
 ATCTTCTCAAGCAGATTTCTGAAGAAGACAGTGTCTCTTTAACAAGCTGACATACTTAGGATGTATG
 AAGTTTCTTCCCACGCAGTGAAGTGGAGGCTTACGGGCCATGGCCACCATGAGAGCTCCAGTCAGT
 ACCCTTTGCTGTACTCTGTATGTGCCAATGTTCCAGAAGGATCTGTGAGAATCATAGACCAGTCAAG
 CAATGTGGAGATAGCATTTTTCCAATTTATAAAGTGCTTTTCTGTGCACGTGGGCATGATGGGACAGCC
 GAGAGCAATTGCTTTGCATTTACAGAGAGTTCTCATGGCTCAGAAGAATTCAGATACATGTTTTCTCT
 GTGAAATTAAGAGGCAGTAAGCAGAATTTTATATAGTTTCTGCACTGCATTCAAACGTTCTCCAGACA
 AGTGTCTGATGTTAAAGACTCAGTCATCCCGACTCCCAGCAGTGTGTGTTACCTTCAGTGTTCCTTG
 GAGGTCAAAGAAGATGATGGAAAAGGAACTTTAGTCCCCTGCCTAAGGATAGAGATAAATTTTATTTCA
 AAATAAAGCAAGGAATAGAGAAGAAGGTTGTGATTACAGTTCAGCAACTGTCTAACAAAGAATTAGCTAT
 TGAGAGATGTTTTGGAATGTTATTAAGCCAGGTGCAACAGTGAAGAACAGTGACATGCATTTACTGGAT
 ATGGAGTCCATGGGAAAGAGCTATGATGGGAGAGCTTACGTCATCACGGGCATGTGGAACCCCAACGCAC
 CAATATTTCTGGCTCTTAATGAAGAAACGCCAAAGATAAACGGGTGTACATGACCGTTGCAGTGGACAT
 GGTGGTCACAGAGGTGGTGGAGCCAGTCCGTTTTCTCCTGGAGACAGTAGTTCGTGTATACCCTGCAAT
 GAGAGATTTTGGTATTTACAGCAGAAAGACTTTACAGAGACTTTCTCATGAGGTTGAAACAGTCTGAGG
 GAAAAGGCCACAGCAGTCTGGAGATGCAATATATGAAGTGGTGAAGTCTGCAGAGAGAATCTGACAAGGA
 GGAGCCCATCACCCCTACTAGTCTGGGGGCCAATGTCACCACAGGAGGATGAAGCAGAAGAGGAGAGT
 GATAATGAACTCTCGAGTGAACAGGTGATGTGTCAAAGACTGTCTGAGAAGATTCTCTATTCTTGGG
 GAGAATTGTTAGGAAGATGGCACAATAACCTTGGTGGCCGACCAAAAGGACTATTCACCTTGGTAAAGAG
 TGGTGTCTCTGAGGCACTAAGGGCAGAAGTATGGCAACTATTAGCAGGATGCCATGACAATCAGGAATG
 CTGGATAAATACCGAATCCTTATCACAAGGACTCTGCACAGGAGAGTGTATTACTCGAGATATTCATC
 GTACATTTCTGCACACGATTACTTCAAAGACTGAGGCGGATGGTCAAGAATCCCTTTACAAAATCTG
 CAAGGCCTACTCGGTGTTGATGAAGACATTGGGACTGTCAAGGACAGTCTTTTCTTGCTGCTGTACTA
 CTGTTGCATATGCCAGAGGAGCAAGCATTCTGTGTTTTGGTGACTATTATGTATGGTTATAAATTGAGAG
 ACTTATACAGAAACAATTTGAAGATCTTCATTGCAAAATCTATCAACTTGAGAACTAATGCAGGAACA
 GCTGCCAGACCTGTACAGCCACTTCTGTGATCTGAACCTGGAAGCTCATATGTATGCATCCAGTGGTTC
 CTCACTCTCTTACTGCCAAGTTCCACTCTGCATGGTGTCCACATCATTGACCTTCTGCTGTGTGAGG
 GTTTGAATATAATCTTTTCATGTAGCTTTGGCTCTTCTAAAGACCTCAAAGGAAGACCTCCTTCAGGCTGA
 TTTTGAAGGTGCTTTGAAGTTTTTCAGAGTTCAGCTTCCAAAGAGATACCGGGCAGAGGAGAATGCAAGA
 AGATTGATGGAACAGGCTTGCAATATTAAGTACCAACCAAAAAGCTGAAGAAATATGAAAAGAATATC
 AGGCGATGCGGGAGAATCAGCTGCAGCAGGAGGCCAATGGATAGATACAAGTTTGTATATTTA**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_013862
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).
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.
RefSeq:	NM_013862.5 , NP_038890.3
RefSeq Size:	3373 bp
RefSeq ORF:	2448 bp
Locus ID:	29809
UniProt ID:	A6H6A9
Cytogenetics:	1 H2.1
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>