

Product datasheet for **MC222262**

Rabep1 (NM_019400) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rabep1 (NM_019400) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rabep1
Synonyms:	Rab5ep; rabaptin-5; rabaptin-5alpha
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >MC22262 representing NM_019400
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGCAGCGGGCCCGCTCCCAGCCTGACGTTTCTTTCAGCAACGGGTAGCAGAATTGGAAAAA
 TTAATGCAGAATTTTACGTGCACAGCAGCAGCTTGAGCAAGAATTTAATCAAAAGAGAGCAAAATTTAA
 GGAGCTCTATTTGGCTAAAGAGGAGGATCTGAAGAGGCAAAATGCAGTATTGCAAGCTGCACAGGACGAT
 TTGGGTACCTTCGGACACAGCTGTGGGAGGCTCAGGCAGAGATGGAGAACATTAAGGCAATTGCCACAG
 TCTCTGAGAATACTAAGCAAGAAGCTATAGATGAAGTTAAAAGGCAATGGAGAGAAGAAGTTGCTTCACT
 TCAGGCTATAATGAAAGAGACAGTCCGTGACTATGAGCATCAGTTTCACCTGAGGCTGGAGCAGGAGCGA
 GCACAGTGGGCACAGTATCGAGAATCTGCAGAGCGGAAATAGCTGACTTAAGAAGAAGTTGTCTGAAG
 GTCAAGAGGAAGAAAATTTAGAAAATGAAATGAAAAGGCCCAAGAGGATGCTGAAAAGCTTCGTTCTGT
 CGTGATGCCCATGGAGAAGGAAATTCAGCTCTGAAAAGATAAAGTACAGAGCTGAAGACAAGATTTAA
 GAGCTGGAGGCCCTCAAAGGTTAAGGAGCTGAATCATTATCTGGAGGCCGAGAAGTCTTGACAGGACTGACC
 TGGAGATGTACGTAGCTGTTTTGAACACTCAGAAATCTGTGCTACAGGAAGATGTGAGAAATTGAGGAA
 AGAACTGCATGAAGTTTGCCATCTCTTGGAAACAAGAACGACAACAACACACAGTTAAAGCATACATGG
 CAGAAGGCCAACGACAGTTTCTGGAACTCAGCGTTTGTGTGAGAGACATGCAGAGAATGGAGATTG
 TGTTAACTTCGGAACAGCTCCGACAAGTTGAAGAACTAAAGAAGAAGACCAGGAGGAGGATGAACAACA
 AAGGGTCAATAAGAGAAAAGATAACAAGAAAACAGATACCGAAGAAGAAGTAAAAATACCAAGTGTGT
 GCTTTAACTCAAGAAGAATCTTCAACCCATTATCAAAATGAAGAGGAGCATTAGACAGCACCCATGGGT
 CAGTCCATTCCTGGATGCAGACTTGATGTTACCATCTGGAGATCCATTTAGTAACTCGGACAATGACAT
 GTTTAAAGATGGACTCAGGAGAGCTCAGTCTACAGACAGCTTGGGAACCTCAAGCTCATTGCAATCCAAA
 GCTTTAGGCTATAACTACAAAGCGAAATCTGCTGGAAATTTGGATGAGTCGGATTTTGGACCACTGGTTG
 GAGCAGATTCTGTGTCTGAGAACTTTGATACTGTGCCCTTGGGTCACTGCAGATGCCAAGTGGATTTAT
 GTTAACCAAGATCAAGAAAGAGCAATTAAGGCAATGACACCTGAGCAGGAGGAGACAGCATCCCTCCTC
 TCCAGTGTACCCAGGGTATGGAGAGTGCATATGTATCTCCAGTGGTTACCGCTTAGTGAGTGAGACGG
 AATGGAATCTCCTGCAGAAAGAGGTACATAATGCTGGAATAAGCTTGGTAGACGTTGTGATATGTGTT
 CAATTATGAAAAACAGTTACAAGGAATTCAGATTCAGGAAGCTGAAACAAGAGACCAGGTAAAAAACTG
 CAGTTAATGCTCAGGCAAGCTAATGACCAGCTTGAAGAAGCAGATGAAAGAGAAGCAGGAGCTGGAGGACT
 TCCTCAAGCAGAGTGGGAGGACTCAAGCCACCAGATATCTGCACTTGTTTTAAGAGCCCAAGCCTCTGA
 GGTCTTACTTGAAGAGTTACAACAGAGCTTTTCCCAAGCAAGAGGGACGTTTCAGGAGCAGATGGCGGTG
 CTGATGCAGTCACGTGAACAGGTTTCAGAAGAGTTGGTGAAGTTACAGAAAGACAACGACAGCCTCCAGG
 GGAAGCACAGCTTGCAATGTGTCATTACAGCTAGCAGAAGACTTCATTCTCCAGACACTGTGGAGGTGCT
 CCGGGAAGTGGTTTTAAATATCGTGAGAACATTTGTCATGTGCGCACAGCAGACACCACATGGAAGAG
 AAGCTGAAGGCGGAAATACTTTTCCTAAAAGAGCAAATCAAGCGGAACAGTGTTTAAAAGAAAACCTGG
 AAGAGACTACAGCTGGAATAGAAAAGTGAAGGAGGAAATAGCTTCCATTTCTAGTCTAAAAGCTGA
 ATTAGAAAAGAAATAAGGTTGAAAAGGACAGTTGGAATCTACATTAAGAGAGAAGTCGCAACAACCTGG
 AGTCTCCAAGAAAATGAAAGTTAATTTAGAGGAACAGTTAAAGAAAAGAACTGCTGCTAAGCTACTGTTG
 AACAGCTCATGTTTGAAGAGAAGAACAAGCTCAGAGTTGCAGACAGAATTAGATGTGAGTGAACAAGT
 ACAGAGAGATTTTGTAAAAGTCTCAGACTCTCAGGTGCAAGTTGGAGAGGATCCGGCAAGCAGACTCC
 TTGGAGAGGATCCGGCTATTCTGAATGATACCAAAGTACAGACATTAACCAGTCCCTGAGACATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_019400
Insert Size: 2589 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_019400.3 , NP_062273.2
RefSeq Size:	5440 bp
RefSeq ORF:	2589 bp
Locus ID:	54189
UniProt ID:	O35551
Cytogenetics:	11 43.21 cM
Gene Summary:	<p>Rab effector protein acting as linker between gamma-adaptin, RAB4A and RAB5A. Involved in endocytic membrane fusion and membrane trafficking of recycling endosomes. Involved in KCNH1 channels trafficking to and from the cell membrane. Stimulates RABGEF1 mediated nucleotide exchange on RAB5A. Mediates the traffic of PKD1:PKD2 complex from the endoplasmic reticulum through the Golgi to the cilium (PubMed:25405894).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (1).</p>