

Product datasheet for **MC200362**

Rabep2 (NM_030566) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rabep2 (NM_030566) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rabep2
Synonyms:	2610011A08Rik; AI462746; Fra
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC004088 sequence for NM_030566
 GGAATGGGATGAGGTCCTTGTAGATGGAGAGTAGGACTGGGTTACTGGACTGCTGGGTGGCCTGAGGTGT
 TAGGAGATCGGCAAGCCGTGGGAATAAATCTTGGTCACTGTCCCCCACTCCCCGCTCCCCACAGCGCT
 GGATCCCCAGCCCCAAGAGAAGCAAAAGGATGCATCCGAGTCAAGTGAGCTCAGTCGGCTTCGTGCCGAA
 CTGGCCGGTGCCTGGCAGAAAATGGAACCATGAAGGCTGTAGCTGAGGTGAGCGAGAGCACCAAGGCGG
 AGGCAGTGGCTGCAGTGCAGAGACAGTGCAGCCCTGAAACAGGAGCGGCAGCAGCAACAGCAGGACTTTGAG
 GAGAAGGATCGAGAGCTGGGCCACCTCAAACAGCTGCTGGCCCGGCCACCCCTTTGGACTCCTTGGAGA
 AGCAAATGGAAGGCTCATGAAGACTCGGAAAAGCTTCGAGAGATCGTGTGGCCATGGAGCAGGAGAT
 TACCGAGCTGAAGGGGAAGCTGCAGAGGGCGGAAGAGCTGATCCAAGAGATCCAGAGACGACCACGGCAG
 CCTGCCTCCCTGCATGGCTCCACAGAGTTGCTCCCTCTGTGAGGAACCCCTCACCCCACTGGAACCTT
 TGGAGGAGCCGAGCGGAGACGCCGGCCAGCCGCCGAGGCCTTTGCCACAACCTGCGATGACAGTGCCTC
 CATCTCTCCTTCCCTCGGTGGGGCCCGGCAGTGCCTCCCTACGAGGCCCAAGGCCCTCAGCCCT
 GAGCAGGAAGAGACTGCTTCTCTGGTGTCTACTGGCACTCTGGTCCCTGAGGGCATTTCTCTGCCCTC
 CTGGGTACCAGCTTGTTCCAGATAGCCAGTGGGAGCAACTGCAGGTAGAGGGGCGCAGCTGCAGAAAGGA
 GCTGGAAGTGTAGCCGGGAGCGGGATGAGCTGCAGGAAGGACTAAGACGGAGCAATGAAGACTGTGCC
 AAGCAGATGCAGGTGCTCCTGGCCAGGTCCAGAACTCAGAGCAGCTGCTCCGAACCTTGAAGGAACTG
 TGAGCCAGGCCAAGAGCGCGTGCAGCTGCAGATGGCAGAACTGGCCACTTCTACAAGTGCCTGAGCCA
 AGAGGTTAAAAGACTGAATGAAGAAAATCAAGGGCTCCGGGCTGAGCAGCTGCCATCCTCTGCCCTTCA
 GGCTCAGAGCAGCGGGAGGACCAGGACGAGGCCCTGCCAAGCTCCATACAGGAGCTACATCTGCTGGTGC
 AGAATACCAGGCAACAGGCGCGGCCAGGCAGCAGGCACAGGAGCATGAGGCTGAGCGCCTGCGCATTGA
 AATTGTGAAGCTCGGGAGGCACTGGACGAGGAGACAGCAGCCAAGGCCAGTCTGGAGAGACAGCTGAGG
 GTGCAGCGAGAAGAGACAGACGTGCTGGAGGCCCTCACTGTGAGCCTGAGAATAGAGACGGAGCGGGTCC
 AGCAGGAGCAGCGCAAGGCCAGCTCACGGATCTCCTCTCAGAGCAGAGAGCCAAGACACTCCGGCTGCA
 GGCTGAGCTGGAGACCAAGTGAACAGGTGCAGAGGACTTTGTACGGCTGTCCCAGGCCCTACAGGTACGC
 CTGGAGCGGATCCGCCAAGCAGAGACTCTGCAGCAAGTGCAGTGCATCCTGGATGAGGCGCCCTCAGGG
 ACATCAGGGACATTAAGACTCTTGAGGGGCCAGGCGAGAGGCTTCCCTGCTGGGGAAGCTGCCCTTTC
 TCTACAAGAACTATGAGGCATGGACTGCAGGTCTCAGAACTGGAGTCCCATCAGCTGCAAACCTGGATGG
 TGGTGTCCCTAGGGCCACTACTTCCACCAGGGTGGCTGGGCCTGCCCTCAGGGATGATACCTGGAAGG
 GGTCCCAGCCTCCTTCCAGAACCAAGTGCAGGCTGAGCCAGGTGGCTTTCGGGTACCATGCTCCCTCA
 TGGATCCAGCTCTCCACCTGTCACTCAGGCCAGTAGCCAGTCCCAGTCTCTGGCAGGCCAGCTTGT
 GGCTAGAAGCTGGTGGATTCAAGTGGGCTCCTCGCACAGAGGCCCTGGGACATACAACTGCTTTCTGGACT
 GTACGACACTAAGGTATTTGTCCGTAGGCACCTGAAACAGGCCCAAGATATAAGGAAGCAAGGCCAGAC
 TTTTCTGTCAATTTTCAATAAATAAGCAATCAGCTAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_030566

Insert Size: 1536 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:

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: [BC004088](#), [AAH04088](#)

RefSeq Size: 2294 bp

RefSeq ORF: 1536 bp

Locus ID: 70314

UniProt ID: [Q91WG2](#)

Cytogenetics: 7 F3

Gene Summary: Plays a role in membrane trafficking and in homotypic early endosome fusion. Participates in arteriogenesis by regulating vascular endothelial growth factor receptor 2/VEGFR2 cell surface expression and endosomal trafficking. By interacting with SDCCAG8, localizes to centrosomes and plays a critical role in ciliogenesis.[UniProtKB/Swiss-Prot Function]