

Product datasheet for **MC201150**

Rabep2 (BC015287) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rabep2 (BC015287) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rabep2
Synonyms:	MGC8300, Fra
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC015287
 GGCGGAGGGAAGGAGGAGGCCGCGCAGCGTCTCTAGGACTAAGACCAGGCGTTCCAGGAGGTGGCCT
 CGAGTGGAGCCTCAGCAGACCCTCAGCACCAGAGAAGACTACCGCAGACCCGAAGCCCTCGGAGCTTCCA
 GGGAGCGCGGGAGCGCGGGGGCGGTCCCACGAGGCTGCAAGAAAGGCGGGATCCAGGCCGCGCTCCACT
 CGAGTGCAGTCGGCGTCTCTTGACCATCCCGCCCTCCCACCCCGCGGCCCTGCAGAGCCGATCCGGA
 AACAGCCGAGCGGATCCGAAACAGCCGAGCGGACCCGGAAGCGGGAGTGCCATCACCAGTGAGTGCGGG
 AATCCGCGTTTTGGGCTGAGACGATGGCAGCTGCGCCAGCAACCCTAGCGCTGGATCCCCAGCCCAAGA
 GAAGCAAAAGGATGCATCCGAGTCAAGTGAGCTCAGTCGGCTTCGTGCCGAACTGGCCGGTGCCCTGGCA
 GAAATGAAACCATGAAGGCTGTAGCTGAGGTGAGCGAGAGCACCAAGGCGGAGGAGTGCTGTCAGTGC
 AGAGACAGTGCCAAGAGGAGGTGGCCTCCCTGCAGGCCATCCTGAAAGACTCCATCAGCAGCTACGAGAC
 CCAGATCGCAGCCCTGAAACAGGAGCGGCAGCAGCAACAGCAGGACTTTGAGGAGAAGGATCGAGAGCTG
 GGCCACCTCAAACAGCTGCTGGCCCGGGCCACCCTTTGGACTCCTTGAGAAAGCAATGGAAAAGGCTC
 ATGAAGACTCGGAAAAGCTTCGAGAGATCGTGTGCCATGGAGCAGGAGATTACCGAGCTGAAGGGGAA
 GCTGCAGAGGGCGGAAGAGCTGATCCAAGAGATCCAGAGACGACCACGGCAGCCTGCCTCCCTGCATGGC
 TCCACAGAGTTGCTCCCTCTGTGAGGAACCCCTCACCCCACTGGAACCCTTGAGGAGCCGAGCGGAG
 ACGCCCGCCAGCCGCGGAGGCCTTTGCCACAACCTGCGATGACAGTGCCCTCCATCTCTTCTTCTCCCT
 CGGTGGGGCCGCGGAGTGCCTCCCTACGAGGCCCAAGGCCTCAGCCCTGAGCAGGAAGAGACTGCT
 TCTCTGGTGTCTACTGGCACTCTGGTCCCTGAGGGCATCTTCTGCCCTCCTGGGTACCAGCTTGTTT
 CAGATAGCCAGTGGGAGCAACTGCAAGTGAAGGGGCGGCAGTGCAGAAGGAGCTGGAAAGTGCAGCCG
 GGAGCGGGATGAGCTGCAGGAAGGACTAAGACGGAGCAATGAAGACTGTGCCAAGCAGATGCAGGTGCTC
 CTGGCCAGGTCCAGAATCAGAGCAGCTGCTCCGAATCTGCAAGGAATGTGAGCCAGGCCAAGAGC
 CGGTGCAGCTGCAGATGGCAGAATGGCCACTTCTCACAAGTGCCTGAGCCAAGAGGTTAAAAGACTGAA
 TGAAGAAAATCAAGGGCTCCGGGTGAGCAGCTGCCATCCTTGCCTCAGGGCTCAGAGCAGCGGGAG
 GACCAGGACGAGGCCCTGCCAAGCTCCATACAGGAGCTACATCTGCTGGTGCAGAATACCAGGCAACAGG
 CGCGGGCCAGGCAGCAGGCACAGGAGCATGAGGCTGAGCGCTGCGCATTGAAATTGTGAAGCTGCGGGA
 GCACTGGACGAGGAGACAGCAGCCAAGGCCAGTCTGGAGAGACAGCTGAGGGTGCAGCGAGAAGAGACA
 GACGTGCTGGAGGCCCTACTGTGACGCTGAGAAATAGAGACGGAGCGGGTCCAGCAGGAGCAGCGCAAGG
 TGAGTGGTGCCGGTGGCCTGGCTTGAGTAGTACAGCTATGTGGTATGGCTCTCCTCACACCCTTCATGT
 CTCCCTCAGACCAGGTGGCAGGAAGCCCGCAGCAGCCACCTGGCTCCAGCCAGAGGAGGCCAGAGTCTG
 GTGGTATTGAAGGACACCAACGTGGGTACCCCATGGCTGTGGCCACCCATCTAGCCCCAAGATGAGTC
 AGGCCCAAGCTCCACATCTTGTCTTGCAGGCCAGCTCAGGATCTCCTCTCAGAGCAGAGAGCCAAGA
 CACTCCGCTGCAGGCTGAGCTGGAGACCAGTGAACAGGTGCAGAGGGACTTTGTACGGCTGCCAGGC
 CCTACAGGTACGCTGGAGCGGATCCGCCAAGCAGAGACTCTGCAGCAAGTGCCTAGCATCTGGATGAG
 GCGCCCTCAGGGACATCAGGGACATTAAGACTCTTGAGGGGCCAGGCGAGAGGCTTCCCTGCTGGGGA
 AGCTGCCCTTTCTCTACAAGAACTATGAGGCATGGACTGCAGGTCTCAGAACTGGAGTCCCATCAGCTG
 CAAACCTGGATGGTGGTGTCCCTAGGGCCACTACTTCCACCCAGGGTGGCTGGGCTGCCCTCAGGGATG
 ATACCTGGAAAAGGGTCCCAGCTCCTTCCAGAACCAAGTGCAGGCTGAGCCAGGTGGCTTTCCGGGCTA
 CCATGCTCCCTCATGGATCCAGCTCTCCACCCGTGACCTCAGGCCAGTAGCCAGTCCCAGTCTCTGGC
 ACGCCAGCTTGTGGCTAGAAGCTGGTGGATTGAGTGGCTCCTCGCACAGAGGCCCTGGGACATACAAC
 TGCTTTCTGACTGTACGACACTAAGGTATTTGTCCGTAGGCACCTGAAACAGGCCCAAGATATAAGGA
 AGCAAGGCCAGACTTTTCTGTATTTATTTCAATAAATAAGCAATCAGCTAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: BC015287
Insert Size: 1473 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:	<u>BC015287</u> , <u>AAH15287</u>
RefSeq Size:	2798 bp
RefSeq ORF:	1473 bp
Locus ID:	70314
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]