

Product datasheet for **MC220113**

Reps2 (NM_178256) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Reps2 (NM_178256) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Reps2
Synonyms:	POB1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC220113 representing NM_178256
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAAGTGGCAGCGGGCGGAGGCTGCGGCCCGGGCCGCTTTGCTGCTGAGCGATAGCGAGCAGCAGT
 GCTACTCTGAGCTCTTCGCGCGCTGTGCGGGCGCTGCAAGCGGGGCCCGGACCTGGTCCCCCGAGGC
 TACCAGGGTCCGCCCCGGCACTGCCACTGCGGCCGCTGGTCCAGTAGCTGATCTGTTTCGAGCGTCGCAG
 CTGCCACCAGAGACATTGCACCAGATCACAGAAGTGTGTGGTGC AAAGCGGGTTGGTTATTTGGCCAA
 CACAGTTTTATGTTGCCCTGAAATTGATTGCTGCAGCACAGGCTGGCCTCCCTGTGAGAACAGAGATAT
 TAAATGTGAAGTGCCTCTGCCTCGCTTTGTGATGTGCAAGAATGATGGTGGAGATACGGTTTGGGAACCA
 GCTGAGCTGCATGGACCGAAGGTTCCAGATTCATACTTAACCACAGAGAAAAATTCCTTCAAAGAATGG
 ACAATGAGGATAAGCAGCAGGAAACACAGTCTCCACGATGTACCCCTCGCTCCCTCCTTCTCCCC
 GCCTCATTACCAGAGGGTCCCTTGAGCCATGGCTACAGCAAACGCGGAGCGGCACAGAACAGATGCAT
 CCAGCTCCATATGAAAGGCAGCCATTGGCCAGCCTGAAGGACCCATCAGAGGGTCCAGGAGCCAAAC
 CCTTTCGTCGGCAGGCATCTCTTATTCGGTCTTTTCAGTGGAGAGAGAACCAGGAGAGAACAACAGTAA
 TTACCCAGATGAGCCCTGGAGGATAACTGAAGAACAGCGGGAGTACTACGTCAATCAGTTTCGGTCCCTC
 CAGCCAGACCCGAGTTCCCTTCAATTCAGGGTCTGTGGCCAAGAAGTCTTCCACCAATCAAAGCTCTCCA
 TTCCAGAACTCTTTATATCTGGAACTCAGTGTGCTGACTGTGATGGAGCCCTGACCTGTCCGAGTT
 TTGTGCTGCATTCCATCTCATCGTAGCCCGAAGAACGGCTACCCACTGCCAGAGGGCCTGCCTCCAAC
 CTGCAGCCAGAGTACTTGAAGCAGCTTCCCTAAATCCAAGTGGGAGTGTGCAATTTTGTATTCTTATT
 GGCTGACTTCCCTGTCCCTACCCAAGATGTGACTACTGCTGATGACAAACAAGCTTTGAAAAGTACTGTT
 AACGAATCCTTACCAAAGGACGTATCTGAGGATACAGCAACTTCTAAGGACTACAACAGTCTCAAAGCAA
 GACCAAGATCCAGATCTTACTCTAGCACCTCCATAGAAGAGGCCATGAAAAGGGGTGAGGACCTCCAC
 CCCACCACCAGGCCACAGAAAACCCATTCCAGAGCCTCCTCCTTGGATCTGAATAAAGTCTTCTGCCC
 AGTGGCCAGCTGCTAACTCAGGATTGTTACCCACCACCGGCCTTCTCCGAGACCGTGTCCAACAC
 AGTCTGAACAGTGTCTGAAGCTGATTTACTCTCAGCTGAACAGAGCTCCTTCCCAAGCTGCAGAAAG
 CAGTCCAACAAAGATGGATGCACCACATGCTCAGCCTCCATCAAAGCCTATTCGAGGAAATTCGACCT
 GAAAATCAAACAACAGAAAGCCAAGAGCCTGCTGCTGCAGTTGGAGGGGAGTTTCTGCAGCAATGGTGA
 AGCCCCATCCAACAGTACAAAAGCAGTCTTCCAAGCAGAAGAAGGCTATTCAGACTGCCATTTCGCAAAA
 TAAGGAGGCCAATGCAGTGTGGCCGATTGAACAGTGAAGTGCAGCAGAGCTGAAGGAAGTTCATCAA
 GAACGGATCGCATTGGAAAACCAATTGGAACAACCTTCGCCAGTCACAGTGT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_178256
- Insert Size:** 1947 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: [NM_178256.4](#), [NP_839987.2](#)

RefSeq Size: 7698 bp

RefSeq ORF: 1947 bp

Locus ID: 194590

UniProt ID: [Q80XA6](#)

Cytogenetics: X F4

Gene Summary: Involved in growth factor signaling through its influence on the Ral signaling pathway (By similarity). Interaction with ASAP1 may regulate cell migration.[UniProtKB/Swiss-Prot Function]