

Product datasheet for MC209153

Pcp4 (NM_008791) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pcp4 (NM_008791) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pcp4
Synonyms:	P16Rimb19; Pcp-4; Pep19
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC209153 representing NM_008791 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGAGTGAGAGACAAAGTGCCGGAGCGACCAACGGAAGACAAGACGTCAGGAGATAATGATGGGCAGA
 AGAAAGTCCAAGAAGAATTTGATATCGACATGGATGCACCAGAGACAGAGCGTGCAGCTGTGGCCATTCA
 GTCTCAGTTCAGAAAATCCAGAAGAAAAGGCAGGATCACAGTCT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_008791
Insert Size:	189 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).


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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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_008791.2](#), [NP_032817.1](#)

RefSeq Size: 669 bp

RefSeq ORF: 189 bp

Locus ID: 18546

UniProt ID: [P63054](#)

Cytogenetics: 16 56.97 cM

Gene Summary: Functions as a modulator of calcium-binding by calmodulin. Thereby, regulates calmodulin activity and the different processes it controls. For instance, may play a role in neuronal differentiation through activation of calmodulin-dependent kinase signaling pathways. [UniProtKB/Swiss-Prot Function]