

Product datasheet for **MG200038**

Pcp4 (NM_008791) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pcp4 (NM_008791) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Pcp4
Synonyms: P16Rimb19; Pcp-4; Pep19
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG200038 representing NM_008791
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGTGAGAGACAAAGTGCCGGAGCGACCAACGGAAAAGACAAGACGTCAGGAGATAATGATGGGCAGA
AGAAAGTCCAAGAAGAATTTGATATCGACATGGATGCACCAGAGACAGAGCGTGCAGCTGTGCCATTCA
GTCTCAGTTCAGAAAATCCAGAAGAAAAGGCAGGATCACAGTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG200038 representing NM_008791
Red=Cloning site **Green**=Tags(s)

MSERQSAGATNGKDKTSGDNDGQKVKVQEEFDIDMDAPETERAAVAIQSQFRKFQKKKAGSQS

TRTRPLE - GFP Tag - V

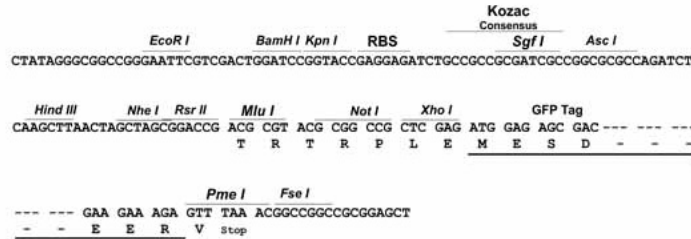
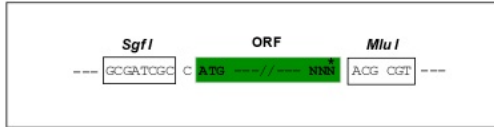
Restriction Sites: Sgfl-MluI



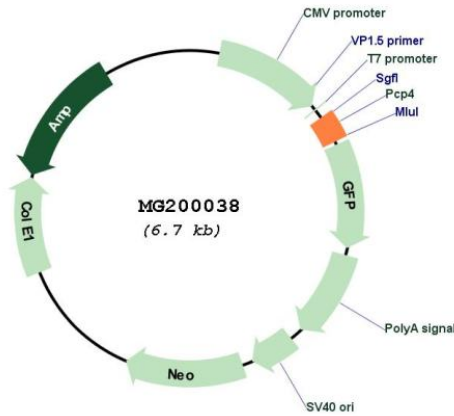
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Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_008791

ORF Size: 186 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_008791.3
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]