

Product datasheet for **RG203796**

PCP4 (NM_006198) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PCP4 (NM_006198) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PCP4
Synonyms:	PEP-19
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	<p>>RG203796 representing NM_006198</p> <p>Red=Cloning site Blue=ORF Green=Tags(s)</p> <p>TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC</p> <p>ATGAGTGAGCGACAAGGTGCTGGGGCAACCAATGGAAAAGACAAGACATCTGGTGAAAAATGATGGACAGAGAAAAGTTCAAGAAGAATTTGACATTGACATGGATGCACCAGAGACAGAACGTGCAGCGGTGGCCATTCA GTCTCAGTTCAGAAAATCCAGAAGAAGAAGGCTGGGTCTCAGTCC</p> <p>ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA</p>
Protein Sequence:	<p>>RG203796 representing NM_006198</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MSERQGAGATNGKDKTSGENDGQKKVQEEFDIDMDAPETERAAVAIQSQFRKFQKKKAGSQS</p> <p>TRTRPLE - GFP Tag - V</p>
Restriction Sites:	Sgfl-MluI


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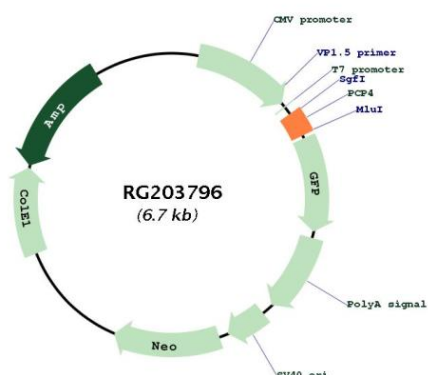
Cloning Scheme:



ACCN:	NM_006198
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.

Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_006198.3
RefSeq Size:	566 bp
RefSeq ORF:	189 bp
Locus ID:	5121
UniProt ID:	P48539
Cytogenetics:	21q22.2
Gene Summary:	Functions as a modulator of calcium-binding by calmodulin. Thereby, regulates calmodulin activity and the different processes it controls (PubMed:19106096, PubMed:23204517, PubMed:27876793). For instance, may play a role in neuronal differentiation through activation of calmodulin-dependent kinase signaling pathways (PubMed:21491429). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG203796