

Product datasheet for **RC227886**

C7orf16 (PPP1R17) (NM_001145123) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: C7orf16 (PPP1R17) (NM_001145123) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: PPP1R17
Synonyms: C7orf16; GSBS
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC227886 representing NM_001145123
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGATGTCCACTGAGCAAATGCAGCCACTGGAACCTCTCAGAAGACAGACTGGACAAGCTAGACCCTCGTT
GCAGCCACTTAGGTGTGTTTTTCAGAACATTTAATTAAGATACGATGTTCAAGAGAGACATCCAAAGGG
CAAAATGATCCCTGTTCTTCATAACACTGACCTGGAACAGAAAAAGCCAAGGAGAAAAGACACACCTGCC
CTGCACATGTCCCCTTTGCAGCAGGTGTGACATTGCTCAGGGACGAGAGACCCAAAGCAATCGTGAAG
ATGACGAAAAGGATGGTACAAGATAGCTATT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC227886 representing NM_001145123
Red=Cloning site Green=Tags(s)
MMSTEQMQPLELSEDRDKLDPRCSHLGVFSEHLIKRYDVQERHPKGMIPVLHNTDLEQKPRRKDTPA
LHMSPFAAGVTLLRDERPKAIVEDDEKDGDKIAI
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

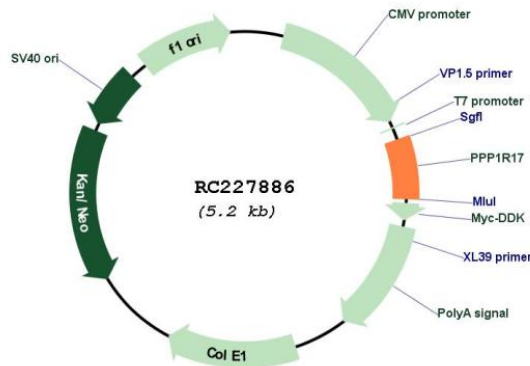


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Cloning Scheme:



Plasmid Map:



ACCN:

NM_001145123

ORF Size:

312 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:	<u>NM_001145123.2</u> , <u>NP_001138595.1</u>
RefSeq Size:	1813 bp
RefSeq ORF:	315 bp
Locus ID:	10842
UniProt ID:	<u>O96001</u>
Cytogenetics:	7p14.3
Protein Pathways:	Long-term depression
MW:	12 kDa
Gene Summary:	The protein encoded by this gene is found primarily in cerebellar Purkinje cells, where it functions as a protein phosphatase inhibitor. The encoded protein is a substrate for cGMP-dependent protein kinase. An allele of this gene was discovered that increases susceptibility to hypercholesterolemia. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2010]