

## Product datasheet for **SC325461**

### C7orf16 (PPP1R17) (NM\_001145123) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	C7orf16 (PPP1R17) (NM_001145123) Human Untagged Clone
Tag:	Tag Free
Symbol:	PPP1R17
Synonyms:	C7orf16; GSBS
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001145123, the custom clone sequence may differ by one or more nucleotides ATGATGTCCACTGAGCAAATGCAGCCACTGGAAGCTCTCAGAAGACAGACTGGACAAGCTA GACCTCGTTGCAGCCACTTAGGTGTGTTTTTCAGAACATTTAATTAAGATACGATGTT CAAGAGAGACATCCAAAGGGCAAATGATCCCTGTTCTTCATAACACTGACCTGGAACAG AAAAAGCCAAGGAGAAAAGACACACCTGCCCTGCACATGTCCCTTTGCAGCAGGTGTG ACATTGCTCAGGGACGAGAGACCCAAAGCAATCGTGAAGATGACGAAAAGGATGGTGAC AAGATAGCTATT
Restriction Sites:	Please inquire
ACCN:	NM_001145123
Insert Size:	1813 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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.

**RefSeq:** [NM\\_001145123.1](#), [NP\\_001138595.1](#)

**RefSeq Size:** 1813 bp

**RefSeq ORF:** 315 bp

**Locus ID:** 10842

**UniProt ID:** [O96001](#)

**Cytogenetics:** 7p14.3

**Protein Pathways:** Long-term depression

**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]

Transcript Variant: This variant (2) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (2) is shorter but has the identical N- and C-termini compared to isoform 1.

Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.