

Product datasheet for RC233627

PPP1R3E (NM_001276318) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPP1R3E (NM_001276318) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PPP1R3E
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC233627 representing NM_001276318 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCCCGTGAGCGGCCCGGGCACCGACATCCCCGCAACCTGAGCTTCATCGCCGCGCTAACGGAGC
 GCGCCTACTACCGTAGCCAGCGGCCAGCCTCGAGGAGGAGCCGAGGAGGAGCCAGGCGAGGGCGGGAC
 GCGGTTTCGGGGCCCGATCCCGCGCTCACGCACCGAGTCGGGGCCGCCGGGCCGATCTGCACCGCCGA
 GGCGGCGGGGCCCGGGCGCCCGCAGCCGTAGCCAGACACCCGCAAGAGAGTGCGTTTCGCCGACGCAC
 TGGGGTTGGAGCTGGCTGTCGTGCGCCGCTTCCGTCCCGGTGAGCTGCCCCGGGTGCCCGCCACGTGCA
 GATCCAATTGCAGAGGGACGCCCTCCGCCACTTCGCGCCCTGCCAGCCCCGCGCCCGGGCCTCCAGGAG
 GCGCGCGCCGCCCTGGAGCCGGCCAGCGAGCCCGCTTCGCCGCCCGCTTGCTGACGCAGCGCATCTGCC
 TGGAACGCGCCGAGGCGGGCCCGCTGGCGTGGCCGGAGCGCGCGCTGGTGGACCTGGCCTACGAGAA
 GCGCGTGAGCGTGCGCTGGAGCGCCGACGGCTGGCGGAGCCAACGCGAGGCGCCAGCCGCTACGCCGT
 CCGGCCCCGCCCCGCGCGCGCCGACCGCTTCGCCTCCGCCTGCCCGCGCCCGCATTGGGGGCGCCC
 TGCTCTTCGCCTTGCGCTACCGTGTGACAGGTACAGATTCTGGGACAACAACGGCGGCCGTGACTATGC
 TCTACGTGGGCCCGAGCACCCGGGCACTGGCGGAGCTCCGGAGCCGAGGGCTGGATCCACTTTATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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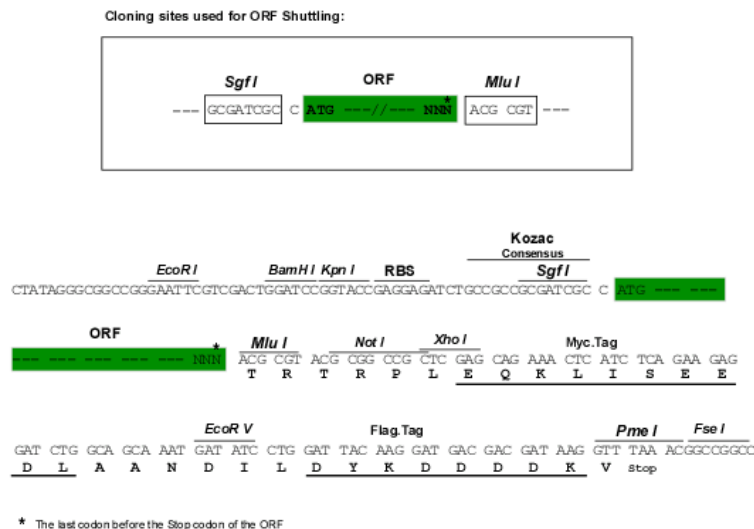
Protein Sequence: >RC233627 representing NM_001276318
 Red=Cloning site Green=Tags(s)

MSRERPPGTDIPRNL SFIAAL TERAYYRSQRPSLEEEPEEEPEGEGGTRFGARSRAHAPSRGRRARSAPAG
 GGGARAPRSRSPDTRKRVRFADALGLELAVVRRFRPGELPRVPRHVQIQLQRDALRHFAPCQPRARGLQE
 ARAALEPASEPGFAARLLTQRICLERAEAGPLGVAGSARVVDLAYEKRVSVRWSADGWRSQREAPAAAYAG
 PAPPPPRADRFARLPAPPIGGALLFALRYRVTGHEFWDNNGGRDYALRGPEHPGSGGAPEPQGWIHFI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001276318

ORF Size: 837 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:

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_001276318.2](#)

RefSeq Size: 4495 bp

RefSeq ORF: 840 bp

Locus ID: 90673

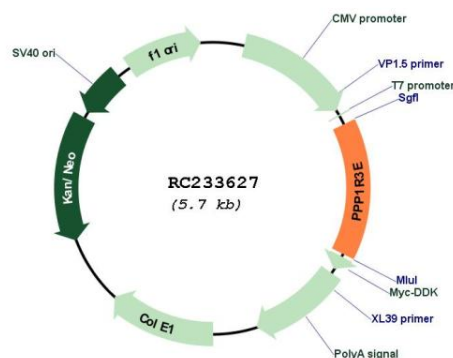
UniProt ID: [Q9H7J1](#)

Cytogenetics: 14q11.2

MW: 31.1 kDa

Gene Summary: Acts as a glycogen-targeting subunit for PP1. PP1 is involved in glycogen metabolism and contributes to the activation of glycogen synthase leading to an increase in glycogen synthesis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC233627