

Product datasheet for **RC237138**

PPP1R7 (NM_001282410) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPP1R7 (NM_001282410) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PPP1R7
Synonyms:	SDS22
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC237138 representing NM_001282410 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCGGGCGAACCGGGCGGGGCGAGCAACAGTCGCAGGAGATGATGGAGGTTGACAGGCGGGTCGAGT
CTGAAGAATCCGGCGATGAAGAAGGGAAGAAACACAGCAGTGGCATCGTGGCCGACCTCAGTGAACAGAG
CCTGAAGGATGGGGAGGAGCGGGGGAGGAGACCAGAAGAAGAACATGAGCTGCCTGTGGACATGGAA
ACCATCAACCTGGACAGAGATGCAGAGGATGTTGATTTGAATCACTATCGCATAGGGAAGATTGAAGGAT
TTGAGGTACTGAAGAAAGTGAAGACTCTCTGCCTCCGCCAAAATTTAATTAATGCAATTGAGAATCTGGA
GGAGCTACAGAGTCTTCGAGAGCTGGATCTTTACGACAACCAGATCAAGAAGATTGAGAATCTGGAGGCG
CTAACAGAGCTGGAGATTCTAGATATTTCTTTAATCTGCTGAGAAACATCGAAGGGGTTGACAAGTTGA
CACGACTGAAAAAATCTTCTTGGTCAACAATAAAATCAGTAAAATTGAGAACTTAAGCAACTTACATCA
ACTACAGATGCTAGAGCTGGGATCTAACCAGCATCCGGCAATCGAAAATATCGACACCTTAACCAACCTG
GAGAGTTTGTGGGGAAAAACAAAATTAATAACTTCAGAACCTGGATGCGCTCACCAACCTGACAG
TCCTCAGTATGCAGAGCAACCGCTGACCAAGATCGAGGGTCTGCAGAACCTGGTGAACCTGCGGGAGCT
GTACCTTAGCCACAATGGCATCGAGGTCATCGAGGGCTGGAGAACAATGTGCAGGACAGCCTCACGTAC

ACGCGTACGCGGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC237138 representing NM_001282410
 Red=Cloning site Green=Tags(s)

MAAERGAGQQSQEMMEVDRRVESEESGDDEEGKKHSSGI VADLSEQSLKDGEERGEEDPEEEHEL PVDME
 TINLDRDAEDVDLNHYRIGKIEGFEVLKVKTLCLRQNL IKCIENLEELQSLRELDLYDNQIKKIENLEA
 LTELEILDISFNLLRNIEGVDKLTRLKKLFLVNNKISKIENLSNLHQLQMLELGSNRIRAIENIDTLTNL
 ESLFLGKNKITKLQNLDALTNLTVLSMQSNRLTKIEGLQNLVNLRELYLSHNGIEVIEGLENNVQDSLTY

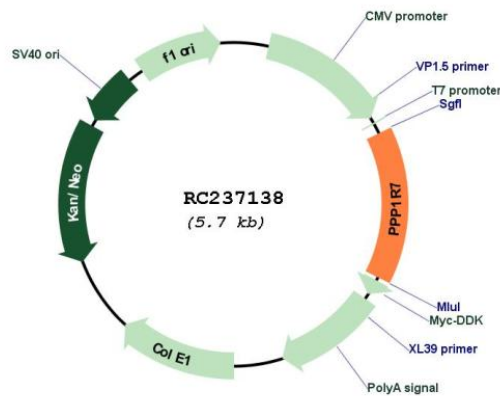
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001282410
 ORF Size: 840 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_001282410.1 , NP_001269339.1
RefSeq Size:	1803 bp
RefSeq ORF:	843 bp
Locus ID:	5510
UniProt ID:	Q15435
Cytogenetics:	2q37.3
Protein Families:	Druggable Genome, Phosphatase
MW:	32.5 kDa
Gene Summary:	This gene encodes a protein subunit that regulates the activity of the serine/threonine phosphatase, protein phosphatase-1. The encoded protein is required for completion of the mitotic cycle and for targeting protein phosphatase-1 to mitotic kinetochores. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Sep 2013]