

Product datasheet for **RR214553**

PPP1R7 (NM_001009825) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ppp1r7 (NM_001009825) Rat 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: >RR214553 representing NM_001009825
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCGGCGGAGCGGGCGGGGCGAGCAACAGTCGCAGGAGATGATGGAGGTTGACAGGCGTGTGAAT
CTGAAGAATCAGGTGATGAGGAAGGAAGAAGCATGGCGGTGGCATCGTGGCAGACCTCAGCCAGCAGAG
CCTGAAGGATGGGGTAGAACGGGGCGCAGAAGATCCGGAAGAGGAGCATGAGCTGGCAGTGGATATGGAA
ACCATCAGCCTGGACCGAGATGCAGAGGATGTTGATCTGAATCACTATAGAATTGAAAAGATTGAAGGCT
TTGAGGTGCTAAAAGAAAGTGAAGTCACTCTGCCTTCGTCAAAACCTTAATTAATGCAATTGAGAACCTGGA
TGAACCTCAGAGTCTTCGAGAAGTGGATCTCTATGATAATCAGATCAAGAAGATTGAGAATCTAGAGGCA
CTGACGGAATTGGAGGTTCTAGACATTTCTTTAATTTGCTGAGGAACATTGAAGGGATTGACAACTGA
CACAGCTGAAAAAAGTCTTCTGGTCAACAATAAAATCAATAAAATTGAGAACATAAGCACCTTACAGCA
ACTGCAAAATGTTAGAGCTGGGGTCTAACCGGATCCGGCAATTGAAAATATCGACACGTTAACCAACCTG
GAGAGTTTGTCTGGGGAAAAACAAAATTACAAAGCTTCAGAACCTGGATGCACCTAGCAACCTCACAG
TCCTCAGTATGCAGAGCAACCGGCTAACAAAGATCGAAGGTCTACAGAAGTGGTGAACCTTCGTGAAT
ATACCTCAGCCACAATGGCATTGAGGTTATCGAAGGCCTGGAGAACAATAACAAACTCACCATGTTGGAT
ATTGCATCAAATAGAATAAAAAAGATTGAGAATATCAGCCATCTGACAGAAGTGCAGAATTTCTGGATGA
ATGACAACCTCCTGGAGAGTTGGAGTGACCTTGATGAGCTGAAGGGTGCCAGGAGTCTGGAGACTGTGTA
TCTGGAGCGTAACCCCTGCAGAAGGATCCACAGTACCGGCGGAAGGTGCTGCTGGCCCTACCCTCTGTG
CGGCAGATCGACGCCACGTTTCGTAGGTTT

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR214553 representing NM_001009825
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MAAERGAGQQSQEMMEVDRRVESEESGDEEGKKHGGGI VADLSQQSLKDGVERGAEDPEEEHELAVDME
 TISLDRDAEDVDLNHYRIGKIEGFEVLKVKSLCLRQNL IKCIENLDELQSLRELDLYDNQIKKIENLEA
 LTELEVLDISFNLLRNIEGIDKLTQLKFLVNNKINKIENISTLQQLQMLELGSNRIRAIENIDTLTNL
 ESLFLGKNKITKLQNLDALSNLTVLSMQSNRLTKIEGLQNLVNLRELYL SHNGIEVIEGLENNNKL TMLD
 IASNRICKIENISHLTELQEFWMNDNLLESWSDLDELKGARSLETVYLERNPLQKDPQYRRKVMLALPSV
 RQIDATFVRF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

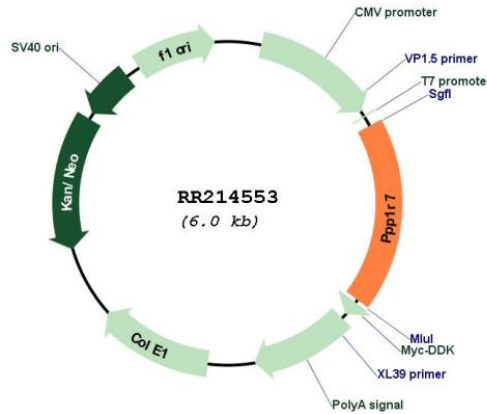
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001009825

ORF Size:	1080 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_001009825.1 , NP_001009825.1
RefSeq Size:	2340 bp
RefSeq ORF:	1083 bp
Locus ID:	301618
UniProt ID:	Q5HZV9
Cytogenetics:	9q36
MW:	41.3 kDa
Gene Summary:	Regulatory subunit of protein phosphatase 1.[UniProtKB/Swiss-Prot Function]