

Product datasheet for **RG236676**

PPP1R7 (NM_001282414) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPP1R7 (NM_001282414) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PPP1R7
Synonyms:	SDS22
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG236676 representing NM_001282414. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAAGAACATGAGCTGCCTGTGGACATGAAACCATCAACCTGGACAGAGATGCAGAGGATGTTGAT
TTGAATCACTATCGCATAGGGAAGATTGAAGATTTGAGGTAAGAAAGTGAAGACTCTCTGCCTC
CGCCAAAATTTAATTAATGCATTGAGAATCTGGAGGAGCTACAGAGCTTCGAGAGCTGGATCTTTAC
GACAACCAGATCAAGAAGATTGAGAATCTGGAGGCGCTAACAGAGCTGGAGATTCTAGATATTTCTTTT
AATCTGCTGAGAAACATCGAAGGGTTGACAAGTTGACACGACTGAAAAACTCTTCTTGGTCAACAAT
AAAATCAGTAAAATTGAGAACTTAAGCAACTTACATCAACTACAGATGCTAGAGCTGGGATCTAACC GC
ATCCGGGCAATCGAAAATATCGACACCTTAACCAACCTGGAGAGTTTGTCTTTGGGGAAAAACAAAATT
ACTAAACTTCAGAACCTGGATGCGCTCACCAACCTGACAGTCTCAGTATGCAGAGCAACCCGGCTGACC
AAGATCGAGGGTCTGCAGAACCTGGTGAACCTGCGGGAGCTGTACCTTAGCCACAATGGCATCGAGGTC
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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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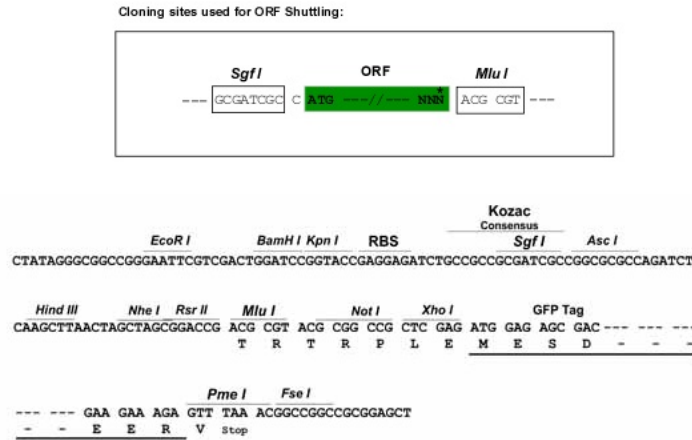
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Protein Sequence: >Peptide sequence encoded by RG236676
 Blue=ORF Red=Cloning site Green=Tag(s)

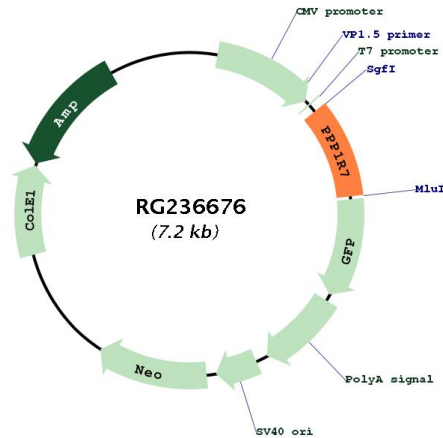
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 IRAIENIDLTNLESFLGKNKITKLQNLDALTNLTVLSMQSNRLTKIEGLQNLVNLREL YLSHNGIEV
 IEGLNNVQDSLTY
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 MGYGFYHFGTYPSTYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001282414

ORF Size:	663 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).
RefSeq:	NM_001282414.1 , NP_001269343.1
RefSeq Size:	920 bp
RefSeq ORF:	666 bp
Locus ID:	5510
UniProt ID:	Q15435
Cytogenetics:	2q37.3
Protein Families:	Druggable Genome, Phosphatase
MW:	26 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]