

## Product datasheet for **RG237597**

### PPP1R7 (NM\_001282412) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PPP1R7 (NM_001282412) 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:	>RG237597 representing NM_001282412. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGTTGACAGGCGGGTCGAGTCTGAAGAATCCGGCGATGAAGAAGGGAAGAAACACAGCAGTGGC
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CATGAGCTGCCTGTGGACATGGAACCATCAACCTGGACAGAGATGCAGAGGATGTTGATTTGAATC
TATCGCATAGGGAAGATTGAAGGATTTGAGGACTGAAGAAAGTGAAGACTCTCGCTCCGCCAAAAT
TTAATTAATGCATTGAGAATCTGGAGGAGCTACAGAGTCTCGAGAGCTGGATCTTACGACAACCAG
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AAAATTGAGAACTTAAGCAACTTACATCAACTACAGATGCTAGAGCTGGGATCTAACCGCATCCGGGCA
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GGTCTGCAGAACCTGGTGAACCTGCGGGAGCTGTACCTTAGCCACAATGGCATCGAGGTCATCGAGGGC
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AGCCATTAACAGAGCTGCAAGAGTTCTGGATGAACGACAATCTCCTTGAGAGCTGGAGCGACCTCGAC
GAGCTGAAGGGAGCCAGGAGCCTGGAGACAGTGTACCTGGAGCGGAACCCCTTGCAAGGACCCCCAG
TACCGGGGAAGGTCATGCTCGCCCTCCCTCCGTGCGGCAGATCGATGCCACGTTGTCAGGTTT
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAAAC
```



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Protein Sequence: >Peptide sequence encoded by RG237597  
 Blue=ORF Red=Cloning site Green=Tag(s)

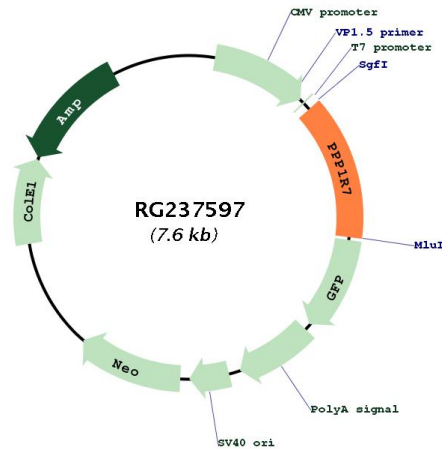
MVDRRVESEESGDEEGKKHSSGIVADLSEQSLKDGEERGEEDPEEEHEL PVDMETINLDRDAEDVDLNH  
 YRIGKIEGFEVLKVKTLCLRQNLIKCIENLEELQSLRELDLYDNQIKKIENLEALTEILDISFNLL  
 RNIEGVDKLTRLKKLFLVNNKISKIENLSNLHQLQMLELGSNRIRAIENIDTLTNLESFLGKNKITKL  
 QNLDALTNLTVLSMQSNRLTKIEGLQNLVNLRELYL SHNGIEVIEGLENNKLTMLDIASNRIKKIENI  
 SHLTELQEFWMNDNLLESWSDLDELKGARSLETVYLERNPLQKDPQYRRKVMLALPSVRQIDATFVRF  
**TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV**  
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP  
 SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001282412

<b>ORF Size:</b>	1032 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>RefSeq:</b>	<a href="#">NM_001282412.1</a> , <a href="#">NP_001269341.1</a>
<b>RefSeq Size:</b>	2007 bp
<b>RefSeq ORF:</b>	1035 bp
<b>Locus ID:</b>	5510
<b>UniProt ID:</b>	<a href="#">Q15435</a>
<b>Cytogenetics:</b>	2q37.3
<b>Protein Families:</b>	Druggable Genome, Phosphatase
<b>MW:</b>	40.3 kDa
<b>Gene Summary:</b>	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]