

## Product datasheet for **SC334999**

### **P15RS (RPRD1A) (NM\_001303412) Human Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	P15RS (RPRD1A) (NM_001303412) Human Untagged Clone
Tag:	Tag Free
Symbol:	P15RS
Synonyms:	HsT3101; P15RS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001303412, the custom clone sequence may differ by one or more nucleotides

ATGAGAAATTCGAATGGAGATTTGTCAAACAGGAATTTACTCCAAACCAAACAGGAAGCTTACTTTTC  
 TCTACCTAGCCAATGATGTCATACAGAACAGCAAGAGGAAGGGGCCAGAGTTTACAAAAGATTTGCACC  
 AGTTATAGTGGAGGCTTTTAAGCATGTTTCAAGTGAACTGATGAAAGTTGTAAGAAGCACCTTGAAGA  
 GTGTTATCTATTTGGAAGAAAGGTCTGTTTATGAAAATGATGTATTAGAACAACCTAAACAAGCTCTGT  
 ATGGTGATAAGAAGCCTAGGAAGCGAAGTATGAACAGATAAAGGTGGATGAAAATGAAAAGTGTCTCTC  
 TCTGGGATCTCCAAGTGAACCAACAGACTCTAGATCTCGTTAGAGCATTACAAGATCTGGAAGATGCA  
 GCCTCAGGTGATGCAGCAGTTCATCAGAGGATAGCTTCTTTACCTGTTGAAGTCCAAGAAGTATCTCTAT  
 TAGATAAAATAACAGATAAAGAATCTGGAGAAAGGCTTTCCAAAATGGTAGAGGATGCGTGTATGTTGCT  
 GGCAGATTACAATGGCAGATTGGCGGCAGAAATAGATGATAGAAAAGCAACTCACTCGAATGTTAGCAGAT  
 TTTCTTCGTTGTCAAAGGAAGCCCTTGCAGAGAAAGAGCATAAATTGGAAGAGTACAAGCGCAAGCTAG  
 CCAGAGTTTCCCTGGTGCAGAAAGAACTCAGGTCCCGGATCCAGAGCCTGCCAGACTTATCTCGATTGCC  
 CAATGTCACTGGCAGCCACATGCACCTGCCCTTTCGGGAGACATCTACAGTGAAGATGA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001303412
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).


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<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>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u>NM_001303412.1, NP_001290341.1</u>
<b>RefSeq Size:</b>	2028 bp
<b>RefSeq ORF:</b>	831 bp
<b>Locus ID:</b>	55197
<b>UniProt ID:</b>	<u>Q96P16</u>
<b>Cytogenetics:</b>	18q12.2
<b>Gene Summary:</b>	<p>This gene encodes a cell-cycle and transcription regulatory protein. The encoded protein interacts with the cell cycle inhibitor cyclin-dependent kinase 4 inhibitor B and may function as a negative regulator of G(1)/S phase progression. This protein also forms homo- and heterodimers with the protein, regulation of nuclear pre-mRNA domain-containing protein 1B, to form a scaffold that interacts with the C-terminal domain of RNA polymerase II subunit B1 and regulates several aspects of transcription. Alternate splicing results in multiple transcript variants. A pseudogene of this gene is found on chromosome 16. [provided by RefSeq, Dec 2014]</p> <p>Transcript Variant: This variant (3) uses an alternate exon in the 5' UTR and 5' coding region uses an alternate splice site in the 3' UTR. These differences result in the use of an alternate start codon compared to variant 1. The encoded isoform (2) is shorter and has a distinct N_terminus compared to isoform 1. Variant 2 and 3 encode the same isoform (2).</p>