

Product datasheet for SC113669

P15RS (RPRD1A) (NM_018170) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	P15RS (RPRD1A) (NM_018170) Human Untagged Clone
Tag:	Tag Free
Symbol:	P15RS
Synonyms:	HsT3101; P15RS
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC113669 sequence for NM_018170 edited (data generated by NextGen Sequencing)

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ATGTCAGCCTTCTCTGAGCGGCGCTGGAGAAGAAGCTGTCGGAGTTGAGCAACTCGCAG
CAGAGCGTGCAGACCTTGTCCCTGTGGCTATTACCACCGTAAACACTCGCGGCCCATC
GTCACCGTGTGGGAGCGGGAGCTGCGGAAAGCCAAACCAACAGGAAGCTTACTTTTCTC
TACCTAGCCAATGATGTCATACAGAACAGCAAGAGGAAGGGGCCAGAGTTTACAAAAGAT
TTTGCACCAAGTTATAGTGGAGGCTTTTAAGCATGTTTCAAGTGAAACTGATGAAAGTTGT
AAGAAGCACCTTGAAGAGTGTTATCTATTTGGGAAGAAAGGTCTGTTTATGAAATGAT
GTATTAGAACAACTTAACAAGCTCTGTATGGTGATAAGAAGCCTAGGAAGCGAACTTAT
GAACAGATAAAGGTGGATGAAAATGAAAAGTGTTCCTCTCTGGGATCTCCAAGTGAACCA
CCACAGACTCTAGATCTCGTTAGAGCATTACAAGATCTGGAAGTGCAGCCTCAGGTGAT
GCAGCAGTTCATCAGAGGATAGCTTCTTTACCTGTTGAAGTCCAAGAAGTATCTCTATTA
GATAAAATAACAGATAAAGAATCTGGAGAAAGGCTTTCCAAAATGGTAGAGGATGCGTGT
ATGTTGCTGGCAGATTACAATGGCAGATTGGCGGCAGAAATAGATGATAGAAAGCAACTC
ACTCGAATGTTAGCAGATTTTCTTCGTTGTCAAAGGAAGCCCTTGACAGAGAAAGAGCAT
AAATTGGAAGAGTACAAGCGCAAGCTAGCCAGAGTTTCCCTGGTGCGCAAAGAAGTCAAG
TCCCGGATCCAGAGCCTGCCAGACTTATCTCGATTGCCCAATGTCACTGGCAGCCACATG
CACCTGCCCTTTGCGGGAGACATCTACAGTGAAGATTGA
  
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Clone variation with respect to NM_018170.3


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**5' Read Nucleotide
Sequence:**

>OriGene 5' read for NM_018170 unedited
 GTTAAATTTGTATACACTCCTATAGGCGGCCGCGACATTCGCACGAGGGCGAAACTCTCC
 TCCCTCGGCCACCCTGCGTGGGACGGCGTGAACGTGGTGTGGAGGGATGTCAGCCTTC
 TCTGAGGCGGCGCTGGAGAAGAAGCTGTCGGAGTTGAGCAACTCGCAGCAGAGCGTGCAG
 ACCTTGTCCCTGTGGCTCATTACCAACCGTAAACACTCGCGGCCCATCGTACCGTGTGG
 GAGCGGAGCTGCGGAAAGCCAAACCAACAGGAAGCTTACTTTTCTCTACCTAGCCAAT
 GATGTCATACAGAACAGCAAGAGGAAGGGCCAGAGTTTACAAAAGATTTTGCACCAATT
 ATAGTGGAGGCTTTTAAGCATGTTTCAAGTGAACTGATGAAAGTTGTAAGAAGCACCTT
 GGAAGAGTGTTATCTATTTGGGAAGAAAGGTCTGTTTATGAAAATGATGTATTAGAACAA
 CTTAAACAAGCTCTGTATGGTGATAAGAAGCCTAGGAAGCGAACTTATGAACAGATAAAG
 GTGGATGAAAATGAAAAGTTCCTCTCTGGGATCTCCAAGTGAACCAACACAGACTCTA
 GATCTCGTTAGAGCATTACAAGATCTGGGAAATGCAGCCTCAGGTGATGCAGCAGTTCAT
 CAGAGGATAGCTTCTTTACCTGNTGAAGTCCAAGAAGTATCTCTATTANATAAAAATAACA
 GATAAAGAATCTGGAGAAAGGGCTTCCAAAATGGTAAAGGATGGNCTGGTTATGTTGCT
 GGGCAAATTACAATGGCAAATTTGGCGGCAGAAATAGATGATTGAAAGCCACTCACTCCG
 ATGGTAACAGAAATTTCTTCCGTGTAAGGAAGACCCTTGCAGAAAAGAGCTTAATGGG
 GAGGAGATCAA

**3' Read Nucleotide
Sequence:**

>OriGene 3' read for NM_018170 unedited
 TATGGCAACTTCCAGGGCCGNAAGCACTGGGAGGGGTACAGGNATGCCACCCGGGA
 TCTGTTCAAGAAACAGCTATGACCGCGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTT
 TTTTTTTTTTTTTTTTCAAAAAGAACATAAACTTTATTAACCACTTATACTGTCA
 TCAATACAGCCAAAGAAAAACGGGTAAACAAACAGGGAAGTTCATCTCCCATGTGCT
 ATTGCCACCTCAAAACAACTCCTGTGGGGATGGCTGGAACAACAGTTGGCAACAAAGGC
 TCTGTATAAATAATTCATTAAGTAACACAATGTTTCCTTTCTATACAAAAAACTGGG
 CTTACATTTTAAGTTTGTATAGGGCAACAACATGAAACAAGACTACTTCCTTAGGAG
 CTATTTCTTAATAAAATACAAAGCAGTTTAGTAGCTTTATGTTATTTCAAATAATGTAAT
 TTTTTTAATGAAAAATCAAAAAGGACATTCTAACTTTCCCAATTAGTTAATTTGAACTG
 TGGAGTTTTTTCTCTCTAAAGATTTCTCAAAATCAGTTCAGTAACATACTTTAAAAAGA
 TGAGTTGCTCATCTACAGTGATAACTGACAACCTAGTTTTGTGATTTTGCAAATAAGATG
 CCTGGGTCATCCCACTTTTGCTGATTCTGAAAGATTTCTATAGAAAAACCCTGATTCA
 GAGTGCATGTGATAGNGAGAACCANAATAGCTGCATCTGACAGGNAAGGTGGCTATNGAG
 CCAGCTGATTCTAAATCCTGGTTCCCCTCTATGGCCTTTTACTACTGNANNGANGGAAG
 AGAAAANGACGCCANAATCTGTCATATGGGACTCAAC

Restriction Sites:

NotI-NotI

ACCN:

NM_018170

Insert Size:

3870 bp

OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. 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
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:	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_018170.2 , NP_060640.2
RefSeq Size:	4284 bp
RefSeq ORF:	939 bp
Locus ID:	55197
UniProt ID:	Q96P16
Cytogenetics:	18q12.2
Domains:	RPR, DUF618
Gene Summary:	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] Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).