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Product datasheet for SC123685

P15RS (RPRD1A) (BC010136) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	P15RS (RPRD1A) (BC010136) Human Untagged Clone
Tag:	Tag Free
Symbol:	P15RS
Synonyms:	cyclin-dependent kinase 2B-inhibitor-related protein; Cyclin-dependent kinase inhibitor 2B-related protein (p15INK4B-related protein); FLJ10656; HsT3101; MGC19513; P15RS; regulation of nuclear pre-mRNA domain containing 1A
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for BC010136 edited CTTGCTGGTTTGCGGCCGGTCTTGGATGAAGCGGCGGCCGTGGTGAGAGCGTGGGGAAGG GTGGGGTGAGGGGGCGAGGCCGCAGCTAGGGCGGCGAAACTCTCCTCCCCTCGGCCCCAC CGCGTGGGACGGCGTGAACGTGGTGTCGGAGGGATGTCAGCCTTCTCTGAGGCGGCGCTG GAGAAGAAGCTGTCGGAGTTGAGCAACTCGCAGCAGAGCGTGCAGACCTTGTCCCTGTGG CTCATTCACCACCGTAAACACTCGCGTCCCATCGTCACCGTGTGGGAGCGGGAGCTGCGG AAAGCCAAACCAAACAGGAAGCTTACTTTTCTCTACCTAGCCAATGATGTCATACAGAAC AGCAAGAGGAAGGGGCCAGAGTTTACAAAAGATTTTGCACCAGTTATAGTGGAGGCTTTT AAGCATGTTTCAAGTGAAACTGATGAAAGTTGTAAGAAGCACCTTGGAAGAGTGTTATCT ATTTGGGAAGAAAGGTCTGTTTATGAAAATGATGTATTAGAACAACTTAAACAAGCTCTG TATGGTGATAAGAAGCCTAGGAAGCGAACTTATGAACAGATAAAGGTGGATGAAAATGAA AACTGTTCCTCTCTGGGATCTCCAAGTGAACCACCACAGACTCTAGATCTCGTTAGAGCA TTACAAGATCTGGAAAATGCAGCCTCAGGTGATGCAGCAGTTCATCAGAGGATAGCTTCT TTACCTGTTGAAGTCCAAGAAGTATCTCTATTAGATAAAATAACAGATAAAGAATCTGGA GAAAGGCTTTCCAAAATGGTAGAGGATGCGTGTATGTTGCTGGCAGATTACAATGGCAGA TTGGCGGCAGAAATAGATGATAGAAAGCAACTCACTCGAATGTTAGCAGATTTTCTTCGT TGTCAAAAGGAAGCCCTTGCAGAGAAAGAGCATAAATTGGAAATATTGGACATGGGCGTA TCTTCTAACGATGTCGTCACCATTAGTATATTCTTCCTGCTAAAAATAAATATCAAACCC TGAAAAAAAAAAAAAAAAAAAAAA

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5' Read Nucleotide Sequence:

>OriGene 5' read for BC010136 unedited
NGAACTTGTCACATTTGTAAACGACTCCTATAGGCGGCCGCGNAATTCGCACGAGGCTTG
CTGGTTTGCGGCCGGTCTTGGCTGAAGCGGCGGCCGTGGTGAGAGCGTGGGGAAGGGTGG
GGTGAGGGGGCGAGGCCGCAGCTAGGGCGGCGAAACTCTCCTCCCCTCGGCCCCACCGCG
TGGGACGGCGTGAACGTGGTGTCGGAGGGATGTCAGCCTTCTCTGAGGCGGCGCTGGAGA
AGAAGCTGTCGGAGTTGAGCAACTCGCAGCAGATCGTGCAGACCTTGTCCCTGTGGCTCA
TTCACCACCGTAAACACTCGCGTCCCATCGTCACCGTGTGGGAGCGGGAGCTGCGGAAAG
CCAAACCAAACAGGAAGCTTACTTTTCTCTACCTAGCCAATGATGTCATACAGAACAGCA
AGAGGAAGGGGCCAGAGTTTACAAAAGATTTTGCACCAGTTATAGTGGAGGCTTTTAAGC
ATGTTTCAAGTGAAACTGATGAAAGTTGTAAGAAGCACCTTGGAAGAGTGTTATCTATTT
GGGAAGAAAGGTCTGTTTATGAAAATGATGTATTAGAACAACTTAAACAAGCTCTGTATG
GTGATAAGAAGCCTAGGAAGCGAACTTATGAACAGATAAAGGTGGATGAAAATGAAAACT
GTTCCTCTCTGGGATCTCCAAGTGAACCACCACAGACTCTAGATCTCGTTAGAGCATTAC
AAGATCTGGAAAATGCAGCCTCAGGTGATGCAGCAGTTCATCAGAAGATAGCTTCTTTAC
CTGTTGAAGTCCAAGAAGTATCTCTATTAGATAAAATACAGATAAAGAATCTGGAGAAAG
GCTTTCCAAATGGTAAAAGATGCCTGTATGTTGCTGGCAT

Restriction Sites: Please inquire

ACCN: BC010136

Insert Size: 1053 bp

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).

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: BC010136.2, AAH10136.1

RefSeq Size: 1044 bp

Locus ID: 55197

Cytogenetics: 18q12.2

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 hetrodimers 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]