

Product datasheet for **SC307963**

PRC1 (NM_199413) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRC1 (NM_199413) Human Untagged Clone
Tag:	Tag Free
Symbol:	PRC1
Synonyms:	ASE1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_199413 edited
GCTACGCGGAGTGACATCGCCGGTGTTCGCGGTGGTTGTTGCTCTCGGGCCGTGTGGA
GTAGGCTGGACCTGGACTCACGGCTGCTTGGAGCGTCCGCCATGAGGAGAAGTGAGGTG
CTGGCGGAGGAGTCCATAGTATGTCTGCAGAAAGCCCTAAATCACCTTCGGGAAATATGG
GAGCTAATTGGGATTCCAGAGGACCAGCGGTTACAAAGAAGTGAAGTGGTAAAGAAGCAT
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AAAAGCATATCCGTCTGTGCAGAAAGAGCTGAACACTCTGTGCAGCGAGTTACATGTTGAG
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CAAGATCAAGAAGTGTGCGAAATCTTTGTATGCCCACTATGATATTGACAGTGCCTCA
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AAGCAGGAAAGACAACCTGAAGAACAAAAACAGACAGAGACAGAGATGCTGTATGGCAGC
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AAGCTGAACACTACCACCATGTCCAATGCTACGGCCAATAGTAGCATTCCGGCCTATCTTT
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GCTGCTTCCACCTGTTTCAGGGAAGAAAACACCCCGTACTGGCAGGCATGGAGCCAACAAG
GAGAACCTGGAGCTCAACGGCAGCATCCTGAGTGGTGGGTACCCTGGCTCGGCCCCCTC
CAGCGCAACTTCAGCATTAACTTCTGTTGCCAGCACCTATTCTGAGTTTGC GCGAGA ACTT
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TGAGAAGCCCTGATCAGTCAACCAGCTGTGGCTTCTGTGCCTAGACTGGACCTAATTAT
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GACAGCCTTCTCCTGAAGAGAATGTCTTTGTGTGTCGAAGTTGAGATGCCTGCCCTA
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CTCTAGCTTCCACGATGAGGGCCCTCTTACCTATCCTCTCAATCACTACTCTTCTTGA
AGCACTATTATTTATTCTCCGCTGTCTGCCTGCAGCAGTACTACTGTCAACATAGTGTA
AATGGTTCTCAAAGCTTACCAGTGTGGACTTGGTGTAGCCACGCTGTTTACTCATACA
GTACGTCTCTGTTTTTAAAATATAAATATTCTTAAAAATAAATTTAAATCTGTATAC
TTACATTTCAAAAAAAAAAAAAAAAAAAAAA
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- Restriction Sites:** Please inquire
- ACCN:** NM_199413
- Insert Size:** 3100 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).
- OTI Annotation:** The open reading frame of this clone has been fully sequenced and found one SNP within the protein associated with this reference, NM_199413.1.
- 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_199413.1](#), [NP_955445.1](#)

RefSeq Size: 3091 bp

RefSeq ORF: 1821 bp

Locus ID: 9055

Cytogenetics: 15q26.1

Gene Summary: This gene encodes a protein that is involved in cytokinesis. The protein is present at high levels during the S and G2/M phases of mitosis but its levels drop dramatically when the cell exits mitosis and enters the G1 phase. It is located in the nucleus during interphase, becomes associated with mitotic spindles in a highly dynamic manner during mitosis, and localizes to the cell mid-body during cytokinesis. This protein has been shown to be a substrate of several cyclin-dependent kinases (CDKs). It is necessary for polarizing parallel microtubules and concentrating the factors responsible for contractile ring assembly. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2012]
Transcript Variant: This variant (2) lacks an alternate in-frame exon in the 3' coding region, compared to variant 1, resulting in an isoform (2) that is shorter than isoform 1.