

Product datasheet for **SC316791**

SCC112 (PDS5A) (NM_001100400) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SCC112 (PDS5A) (NM_001100400) Human Untagged Clone
Tag:	Tag Free
Symbol:	SCC112
Synonyms:	PIG54; SCC-112; SCC112
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC316791 representing NM_001100400.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGACTTCACCGCGCAGCCCAAGCCTGCCACTGCCCTCTGTGGCGTCGTGAGTGCCGACGGGAAGATC
GCTTACCCTCCGGGGTAAAAGAGATCACCGACAAGATCACCGACGACGAGATGATCAAACGCCTGAAG
ATGGTAGTGAAAACCTTTATGGATATGGATCAGGACTCAGAAGATGAAAAACAGCAGTATCTCCCACTA
GCCTTGATCTTGCACTGAATTCTTCTCAGGAACCCCAATAAAGATGTGCGTCTCCTTGATGATGT
TGTTTGGCTGATATCTTTCGTATCTATGCCCGAGAAGCTCCATATACTTCCCATGATAAACTTAAGGAC
ATATTTTGTATTACCAGACAATTAAGGTTTGGAGGATACAAAGAGTCCACAGTTAATAGATAC
TTTTATTATTAGAGAATTTAGCTTGGTTAAATCATATAACATCTGCTTTGAATTGGAAGATTGCAAT
GAAATTTTATTAGCTTTTGAAGTCTTCTCAGTATCAACAATAGCCACAATAAGAAGGTACAA
ATGCACATGCTAGATTTGATGAGTTCTATCATCATGGAAGGTGATGGAGTACTCAAGAATTATTGGAC
TCCATTCTTATAACCTCATTCTGCACATAAGAACTTAATAAACAGTCTTTGACCTTGCAAAAGTG
CTATTGAAAAGAAGCTCCAGACTATTGAGGCATGCATTGCTAATTTTTCAATCAAGTCTGGTGCCTG
GGAAGATCATCAGTAAGTGATTTGTCAGAACATGTATTGATCTGATTAGGAACTTTTGCTATAGAT
CCTCATTATTATTATCCGTCATGCCACAGCTTGAATTCAAACTAAAGAGCAATGATGGAGAAGAGCGA
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CCTCTTTGGCAATGTTTTCTTGGACGATTAATGATATTCATGTTCTGTGAGATTAGAAAGTGTGAAA
TTTGCCAGTCATTGTTAATGAATCACCCAGATTTAGCGAAGGATCTCACAGAATATTTAAAGGTTAGA
TCACATGATCCAGAAGAAGCTATTCGTCATGATGTCATTGTTACTATAATAACAGCTGCCAAGAGGGAC
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GCTAACTGTTCTGCCATGTTGGAAAAGTATGACCATAGCAAAGAAATTTGCCTGACCCCGGAAAGCA
CAAGATTTGTGAAGAAATTAACAGGTTCTCGGCGATGATGAGAACTTCGGTCTCAGTTGGAGTTA
TTAATTAGCCCAACCTGTTCTTGCAAACAAGCAGATATTTGTGTGTTAGTAAATCATACTTCACACT
TTTCTCTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_001100400

Insert Size: 1803 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: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001100400.1](#)

RefSeq Size: 2745 bp

RefSeq ORF: 1803 bp

Locus ID: 23244

UniProt ID: [Q29RF7](#)

Cytogenetics: 4p14

MW: 69 kDa

Gene Summary: The protein encoded by this gene binds to the cohesin complex and associates with chromatin through most of the cell cycle. The encoded protein may play a role in regulating sister chromatid cohesion during mitosis. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2010]
Transcript Variant: This variant (3) differs in the 3' UTR and lacks several exons in the 3' coding region, compared to variant 1. The resulting protein (isoform 3) has a distinct C-terminus and is shorter than isoform 1.