

Product datasheet for **RC213459**

SCC112 (PDS5A) (NM_001100400) Human Tagged ORF Clone

Product data:

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



[View online »](#)

ORF Nucleotide Sequence:

>RC213459 representing NM_001100400
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGACTTCACCGCGCAGCCCAAGCCTGCCACTGCCCTCTGTGGCGTCGTGAGTGCCGACGGAAGATCG
 CTTACCTCCGGGGTAAAAGAGATCACCGACAAGATCACACGACGAGATGATCAAACGCCTGAAGAT
 GGTAGTAAAAACCTTTATGGATATGGATCAGGACTCAGAAGATGAAAAACAGCAGTATCTCCCACTAGCC
 TTGCATCTTGCATCTGAATTTCTTCTCAGGAACCCCAATAAAGATGTGCGTCTCCTTGTAGCATGTTGTT
 TGGCTGATATCTTTCGTATCTATGCCCCAGAAGCTCCATATACTTCCCATGATAAACTTAAGGACATATT
 TTTGTTTATTACCAGACAATTAAGGTTTGGAGGATACAAGAGTCCACAGTTTAAAGATACTTTTAT
 TTATTAGAGAATTAGCTTGGGTAAATCATATAACATCTGCTTTGAATTGGAAGATTGCAATGAAATTT
 TTATTCAGCTTTTGAAGCTCTTCTCAGTGATCAACAATAGCCACAATAAGAAGGTACAAATGCACAT
 GCTAGATTGATGAGTTCTATCATCATGGAAGGTGATGGAGTTACTCAAGAATTATTGGACTCCATTCTT
 ATTAACCTCATTCTGCACATAAGAAGCTTAAATAAACAGTCCTTTGACCTTGCAAAAGTGCATTGAAAA
 GAACAGTCCAGACTATTGAGGCATGCATTGCTAATTTTTCAATCAAGTCTGGTCTGGGAAGATCATC
 AGTAAGTGATTTGTCAGAACATGATTTGATCTGATTCAGGAAGCTTTTGTATAGATCCTCATTATTA
 TTATCCGTCATGCCACAGCTTGAATTCAACTAAAGAGCAATGATGGAGAAGAGCGATTAGCTGTTGTTT
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 TTTTCTTGGACGATTTAATGATATTCATGTTCTGTGAGATTAGAAAGTGTGAAATTTGCCAGTCATTGT
 TTAATGAATCACCCAGATTTAGCGAAGGATCTCACAGAATTTAAAGGTTAGATCACATGATCCAGAAG
 AAGCTATTCGTATGATGTCATTGTTACTATAAATACAGCTGCCAAGAGGACCTGGCCTTAGTAAATGA
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 TATGCTAGTTTGGATCCAAATGCTGTAAAGCTCTCAACGAAATGTGGAAGTGTGAGAACATGCTTCGGA
 GCCATGTACGCGAATATTGGATTTGCACAAGCAGCCTACATCAGAGGCTAACTGTTCTGCCATGTTTGG
 AAACTGATGACCATAGCAAAGAATTTGCCTGACCCCGGGAAGCACAAGATTTGTGAAGAAATTAAC
 CAGGTTCTCGCGATGATGAGAACTTCGGTCTCAGTTGGAGTTATTAATTAGCCCAACCTGTTCTTGCA
 AACAGCAGATATTTGTGTGGTTAGTAAATCATACTTCACACTTTTCTC

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC213459 representing NM_001100400
 Red=Cloning site Green=Tags(s)

MDFTAQPKPATALCGVVSADGKIAYPPGVKEITDKITTDKIKRLKMMVKTFFMDMDQDSEDEKQQYLPLA
 LHLASEFFLRNPNKDVRLLVACCLADIFRIYAPEAPYTSKDKLDFITRQLKGLDTSKSPQFNRYFY
 LLENLAWVKSYNICFELEDNEIFIQLFRTLFVSVNNSHNKKVQMHMLDLMSIIMEGDGVTQELLDLIL
 INLIPAHKNLNKQSFDLAKVLLKRTVQTEACIANFFNQVLVLRSSVSDLSHFVDFLIQELFAIDPHLL
 LSVMPQLEFKLSNDGEERLAVVRLAKLFGSKSDLATQNRPLWQCFLGRFNDIHVPVRLESVKFASHC
 LMNHPDLAKDLTEYLKVRSHDPEEAIKRDVIVTIIITAAKRDALVNDQLLGFVRERTLDKRWVRKEAMM
 GLAQLYKKYCLHGEAGKEAAEKVSWIKDKLLHIYQNSIDDKLLVEKIFAQYLVPHNLETERMKCLYYL
 YASLDPNAVKALNEMWKCQNMLRSHVRELLDLHKQPTSEANCSAMFGKLMIAKNLPDPGKAQDFVKKFN
 QVLGDDEKLRSQLELLISPTCSCKQADICVVSYSYFTLFL

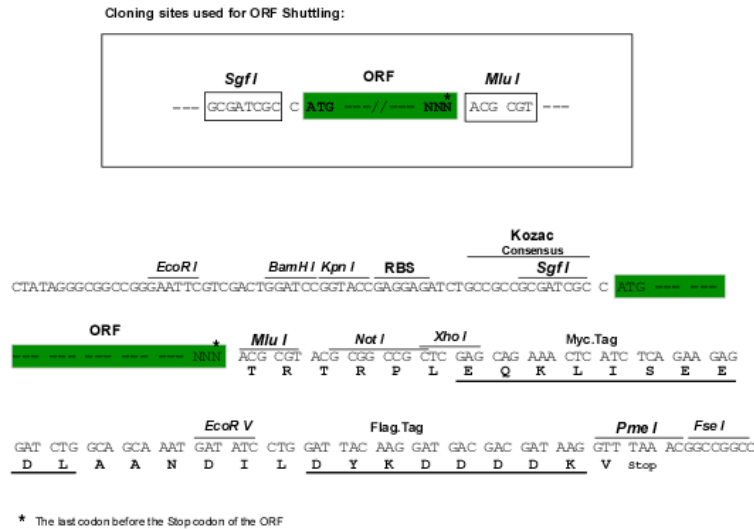
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8069_b04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001100400

ORF Size: 1800 bp

OTI Disclaimer: 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001100400.1](#), [NP_001093870.1](#)

RefSeq Size: 2745 bp

RefSeq ORF: 1803 bp

Locus ID: 23244

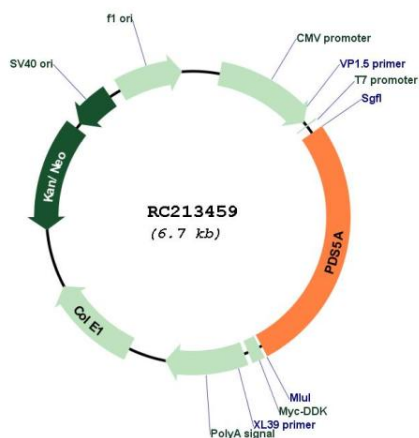
UniProt ID: [Q29RF7](#)

Cytogenetics: 4p14

MW: 68.8 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]

Product images:



Circular map for RC213459