

Product datasheet for **RR203911**

Sdcbp2 (NM_001025692) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sdcbp2 (NM_001025692) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sdcbp2
Synonyms:	MGC116231
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR203911 representing NM_001025692 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTCTGTCTGTACCCATCTCTGGAGGATCTGAAGTGGGCCAAGTCATCCAGGCCAGGCCAGAGCCT
CACCCATGATGCCACTGTGATGCCACTCTGCCAGCTTCGATGGCCTCTGCACCCCACTCTCAGAGCT
GTATCCAAACCTAGCAGAACTGAAAGTTATATGGGACTGTCCCTCTAGCCAAGAAGTTCAGAAGAAT
CTGTCTCAGATCCAGATGGTGACAATATGGTGATCACTAGCCCTGGACCTGGCCAGGTGACAGCGCCAG
TATCTGGGAACGACCTAGGTGTCCTGCGTGCAGAGATCAAGCCTGGTGTGCGAGAGATCCACCTGTGCAA
GGATGAGCGGGGCAAGACTGGACTGCGTCTGCAGGCTGTTGACAAGGGGCTCTTTGTGCAGCTGGTCCAG
GCCAACACCCAGCATCCCTTGTGGGATTGCGCTTTGGGGACCAGATCCTGCAGATCGATGGCTGTGACT
GTGCTGGGTGGAGCACACAAAGCTCAGAAAGCATTGAAGAAGGCATCAGCAGAGAAGATCGTCATGGT
TGTACGGGACAGGCCGTTCCAGCGGACTGTCACCATGCACAAAGACAGCTCAGGTCAAGTTGGCTTCTTC
ATCAAAAAGGGGAAGATTGTCTCTGTGGTCAAGGGAAGCTCTGCAGCCCGCAATGGACTTCTAACGAACC
ACTACGTGTGTGAGGTGAACGGACAGAACGTCATTGGGCTAAAGGACAAAAAGATTATCGAGATTCTGAC
CACAGCTGAAAATGTTATCACACTGACCATCATCCCCTGTGATTTACGAGCATATGATCAAAAAGTTG
TCTCCATTGCTGCTTACCACACCATGGACCACTCCATTCCAGACACC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR203911 representing NM_001025692
 Red=Cloning site Green=Tags(s)

MSVLYPSLEDLKVGVQVIQAQARASPMMPVTMPTLPASMASAPPLSELYPNLAELESYMGSLSSQEVQKN
 LSQIPDGDNMVITSPGPGQVTAPVSGNDLGVLRAEIKPGVREIHLCKDERGKTGLRLQAVDKGLFVQLVQ
 ANTPASLVGLRFGDQILQIDGDCAGWSTHKAQKALKASAEEKIYVMVVRDRPFQRTVTMHKSSGQVGF
 IKKGGKIVSVVKGSSAARGLLTNHVYVCEVNGQNVIGLKDKKIIIEILTTAGNVITLTIIPTVIYEHMIKKL
 SPLLLHHTMDHSIPDT

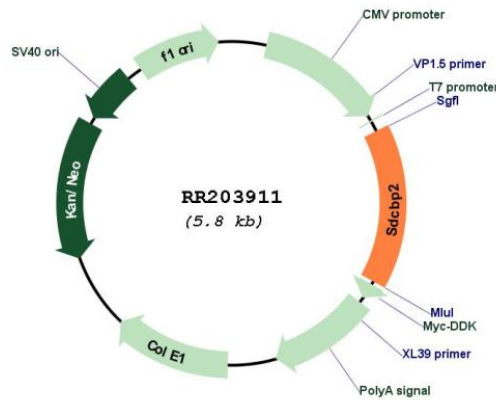
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001025692

ORF Size: 888 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:	<ol style="list-style-type: none">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_001025692.1 , NP_001020863.1
RefSeq Size:	1444 bp
RefSeq ORF:	891 bp
Locus ID:	311532
UniProt ID:	Q4KLN0
Cytogenetics:	3q41
MW:	32 kDa
Gene Summary:	Binds phosphatidylinositol 4,5-bisphosphate (PIP2). May play a role in the organization of nuclear PIP2, cell division and cell survival.[UniProtKB/Swiss-Prot Function]