

## Product datasheet for MR203999

### Sdcbp2 (NM\_145535) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Sdcbp2 (NM_145535) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sdcbp2
Synonyms:	MGC11704
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203999 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC

ATGTCTGTCTGTATCCGTCTCTGGAGGATCTGAAGGTGGGCCAAGTCATCCAGGCCAGGGCAGAGCCT  
CACCCACGATGCCAACTCTGCCAGCCCCGATGGCTTCTGCACCCCACTTTCAGAGTTGTATCCAAACCT  
GGCAGAAGTAAAGTTATATGGGACTGTCCCTCTCTAGCCAAGAAGTTCAGAAGAAGCTGACTCAGATT  
CCAGATAGTGACAATATGGTGGTCACTAGCCCTGGACCTGGCCAGGTGGTAGCTCCAGTATCTGGGAACA  
ACCTGGGTATACTGCGTGCAGAGATCAAGCCTGGCGTGCAGAGATCCACCTGTGCAAGGATGAACGTGG  
CAAGACTGGACTTCGCCTGCAGGCTGTTGACAAGGGGCTTTTGTGCAGCTGGTCCAGGCCAACCCCT  
GCATCCCTTGTGGGTTTGCCTTTGGGGACCAGATCCTGCAAATTGATGGCTGTGACTGTGCTGGGTGGA  
ACACACACAAAGCTCACAAGGTGTTGAAGAAGGCATCAGCGGAGAAGATTGTCATGGTTATTCGGGACAG  
GCCATTCAGAGGACTGTCACCATGCACAAAGACAGCTCAGGGCAAGTTGGCTTTTCCATCAAAAAGGGG  
AAGATCGTGTCTGTGGTAAAGGGAAGCTCCGCCGCCCAATGGACTTCTAACCAACCACTATGTGTGTG  
AGGTGAACGGACAGAACGTCATTGGGCTAAAGGACAAAAGGTTACTGAGATTCTGACCACAGCTGGAGA  
TGTCATCACACTGACCATTATCCCACTGTGATCTACGAGCATATGATCAAAAAGGTTGTCCCGTTGCTG  
CTTCACCACACCATGGACCACTCCATTCAGACACC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



**Protein Sequence:** >MR203999 protein sequence  
Red=Cloning site Green=Tags(s)

MSVLYPSLEDLKVGVQVIQAQGRASPTMPTLPAPMASAPPLSELYPNLAELASYMGLSLSSQEVQKNLTQI  
 PDSNDMVTSPGPGQVVAPVSGNNLILRAEIKPGVREIHLCKDERGKTGLRLQAVDKGLFVQLVQANTP  
 ASLVGLRFGDQILQIDGDCAGWNTHKAHKVLLKKA SAEIVMVI RDRPFQRTVTMHKDSGQVGF SIKKG  
 KIVSVVKGSSAARNGLLTNHYVCEVNGQNVIGLKDKKVTEILT TAGDVITLTIIPTVIYEHMIKRLSPLL  
 LHHTMDHSIPDT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_145535

**ORF Size:** 879 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.

**RefSeq:** [NM\\_145535.2](#), [NP\\_663510.1](#)

**RefSeq Size:** 1412 bp

**RefSeq ORF:** 879 bp

**Locus ID:** 228765

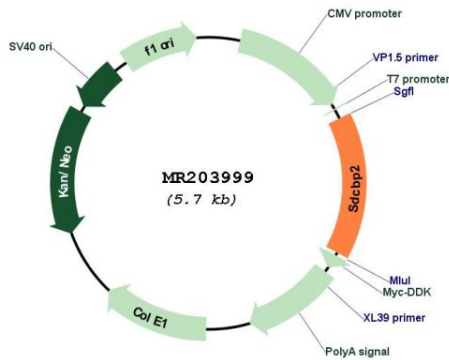
**UniProt ID:** [Q99JZ0](#)

**Cytogenetics:** 2 G3

**MW:** 31.6 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]

**Product images:**



Circular map for MR203999