

## Product datasheet for **MG203999**

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

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Sdcbp2 (NM\_145535) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Sdcbp2  
**Synonyms:** MGC11704  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG203999 representing NM\_145535  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCTGTCTGTATCCGTCTCTGGAGGATCTGAAGGTGGGCCAAGTCATCCAGGCCAGGGCAGAGCCT  
CACCCACGATGCCAACTCTGCCAGCCCCGATGGCTTCTGCACCCCACTTTCAGAGTTGTATCCAAACCT  
GGCAGAAGTAAAGTTATATGGGACTGTCCCTCTCTAGCCAAGAAGTTCAGAAGAAGCTGACTCAGATT  
CCAGATAGTGACAATATGGTGGTCACTAGCCCTGGACCTGGCCAGGTGGTAGCTCCAGTATCTGGGAACA  
ACCTGGGTATACTGCGTGCAGAGATCAAGCCTGGCGTGCAGAGATCCACCTGTGCAAGGATGAACGTGG  
CAAGACTGGACTTCGCCTGCAGGCTGTTGACAAGGGGCTCTTTGTGCAGCTGGTCCAGGCCAACCCCT  
GCATCCCTTGTGGGTTTGCCTTTGGGGACCAGATCCTGCAAATTGATGGCTGTGACTGTGCTGGGTGGA  
ACACACACAAAGCTCACAAGGTGTTGAAGAAGGCATCAGCGGAGAAGATTGTCATGGTTATTCGGGACAG  
GCCATTCAGAGGACTGTCACCATGCACAAAGACAGCTCAGGGCAAGTTGGCTTTTCCATCAAAAAGGGG  
AAGATCGTGTCTGTGGTAAAGGGAAGCTCCGCCGCCCAATGGACTTCTAACCAACCACTATGTGTGTG  
AGGTGAACGACAGAACGTCATTGGGCTAAAGGACAAAAGGTTACTGAGATTCTGACCACAGCTGGAGA  
TGTCATCACACTGACCATTATCCCACTGTGATCTACGAGCATATGATCAAAAAGGTTGTCCCGTTGCTG  
CTTCACCACACCATGGACCACTCCATTCAGACACC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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**Protein Sequence:** >MG203999 representing NM\_145535  
Red=Cloning site Green=Tags(s)

MSVLYPSLEDLKVGQVIQAQGRASPTMPTLPAPMASAPPLSELYPNLAELESYMGSLSSSQEVQKNLTQI  
 PDSNDMVTSPGPGQVVAPVSGNNL GILRAEIKPGVREIHLCKDERGKTGLRLQAVDKGLFVQLVQANTP  
 ASLVGLRFGDQILQIDGDCAGWNTHKAHKVLLKKA SAEIVMVI RDRPFQRTVTMHK DSSGQVGF SIKKG  
 KIVSVVKGSSAARNGLLTNHYVCEVNGQNVIGLKDKK VTEILTTAGDVITLTIIPTVIYEHMIKRLSPLL  
 LHHTMDHSIPDT

TRTRPLE - GFP Tag - V

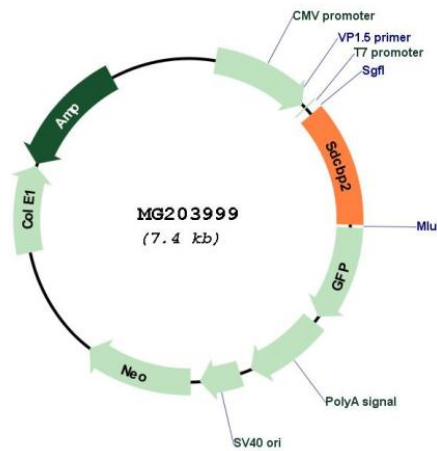
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**



**ACCN:** NM\_145535

**ORF Size:** 876 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_145535.2</a> , <a href="#">NP_663510.1</a>
<b>RefSeq Size:</b>	1414 bp
<b>RefSeq ORF:</b>	879 bp
<b>Locus ID:</b>	228765
<b>UniProt ID:</b>	<a href="#">Q99JZ0</a>
<b>Cytogenetics:</b>	2 G3
<b>Gene Summary:</b>	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]