

## Product datasheet for RR202203

### Sh3pxd2a (NM\_001107606) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Sh3pxd2a (NM_001107606) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sh3pxd2a
Synonyms:	Sh3md1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR202203 representing NM_001107606 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

ATGCAGCTTCTGGATAAGTTCCTATCGAAGGTGGCCAGAAGGATCCCAAGCAGAGGATTATCCCCTTCC  
TTCGGGGCAAGATCCTCTTCCGGAGAAGCCACATCCGAGACGTAGCTGTGAAAAGGCTGAAGCCCATCAA  
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ACTCAGAGCCTGAGCTGAATGAAGAACCCACGGAGGACAGAGGTTTCAGGGGACAAGCATCCTGCCAGCC  
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**Protein Sequence:**

>RR202203 representing NM\_001107606

Red=Cloning site Green=Tags(s)

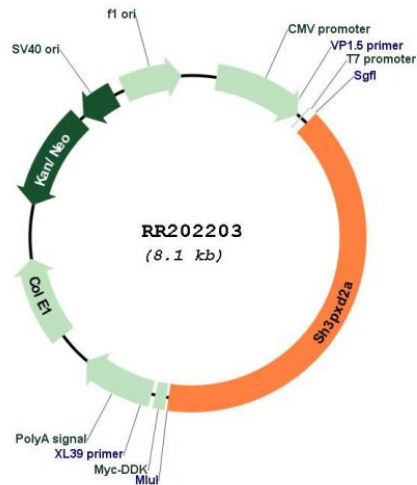
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 SESPLLPTQRNGIPVSPVRPKPIEKSQFIHNNLKDVVYSIADYEGDEETAGFQEGVSMELVRNPNGWY  
 CQILDEVKPFKGWVPSNYLEKKN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

**Plasmid Map:**


**ACCN:** NM\_001107606

**ORF Size:** 3219 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.

<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>	<u>NM_001107606.1, NP_001101076.1</u>
<b>RefSeq Size:</b>	3373 bp
<b>RefSeq ORF:</b>	3222 bp
<b>Locus ID:</b>	309460
<b>Cytogenetics:</b>	1q54
<b>MW:</b>	118.2 kDa