

## Product datasheet for **RR214648**

### Smr3b (NM\_012684) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Smr3b (NM\_012684) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Smr3b  
**Synonyms:** Arp; P2-VA1; RATSMR1A; Smr1; Smr1g; Vcsa1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR214648 representing NM\_012684  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGAAGTCACTGTATTTGATCTTTGGCCTGTGGATCCTTCTAGCATGCTCCAGTCAGGTGAGGGTGTCA  
GAGGCCAAGAAGACAACATAATCCTAGAAGACAACAAGATCCTTCAACTCTTCTCATTATCTTGGTCT  
TCAGCCTGATCCCAATGGTGGACAAATAGGAGTAAACAATCACTATACCCTTAAATCTTCAACCACCTCGT  
GTTCTTGTAAATCTTCCCGTTTTATCACTGGACCACCATTGGTTGTACAAGGTACCACTGAATATCAAT  
ATCAGTGGCAGCTAACTGCTCCAGACCCTACACCTCTAAGCAATCCTCCTACTCAACTTCATTCCACAGA  
ACAAGCAAATACAAAACAGATGCCAAAATCTCCAACACTACTGCGACTACCCAAAATTCCTACTGATATT  
TTTGAAGGTGGTGGCAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR214648 representing NM\_012684  
Red=Cloning site Green=Tags(s)  
MKSLEYLIFGLWILLACFQSGEGVRRQHNPRRQDPSTLPHYLGLQDPNGGQIGVTITIPNLQPPR  
VLVNLPGFITGPPLVVQGTTEYQYQWQLTAPDPTPLSNPPTQLHSTEQANTKTDAKISNTTATTQNSTDI  
FEGGGK

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-Mlul



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<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><a href="#">NM_012684.4</a></u> , <u><a href="#">NP_036816.4</a></u>
<b>RefSeq Size:</b>	646 bp
<b>RefSeq ORF:</b>	441 bp
<b>Locus ID:</b>	24867
<b>UniProt ID:</b>	<u><a href="#">P13432</a></u>
<b>Cytogenetics:</b>	14p22
<b>MW:</b>	16 kDa
<b>Gene Summary:</b>	a prohormone-like protein [RGD, Feb 2006]