

Product datasheet for **RN211568**

Smpd3 (NM_053605) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Smpd3 (NM_053605) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Smpd3
Synonyms:	cca1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN211568 representing NM_053605
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTTTTGTACACGACCCCTTCTAACAGCTGTCTGTCTGCCCTCCACGCTGTGTCTGGGCCCTCA
 TCTTCCCATGTTACTGGCTGGTGGACCGCTGGTCGCCTCCTTCATACCCACCACCTATGAGAAGCGCCA
 GAGGGCAGATGACCCCTTGTACCTGCAGCTGTTCTGCACCGTACTCTTACGCCAGTCTACCTGGCTCTG
 CTTGTGGCTGCGCTGCCTTTTGCCTTCTTGGGTTTCATCTTCTGGTCTCCACTGCAGTCTGCCCGCCGGC
 CCTACTCTACTCCCGCTAGAAGACAAGAGCCAGCTGGTGGGCAGCCCTGCTTAGTGAATGGAAGGG
 CACAGGGGCTGGCAAAGCTTTTGTCTTGGCACAGCCAATGTCTGCCTCCTCCTGACTCGCTCGCAAGG
 CTCAATAATGTTTTCAACACCCAAGCCCGGCCAAAGAGATTGGGCAGAGAATCCGCAATGGGGCCGCC
 GGCTCAGATCAAATCTACATTGATCCCCACCAACACCTCCATCAGTGCAGCCAGCTTCAGCAGCCT
 GGTGTCCGCGCAGGGCAGTGTGGGCCAGAGCTTCTCTGGGAGCATTAAAGAGGACAGCCTCTGTGGAA
 TACAAGGGAGATGGTGGGCGTCACCCAGCGATGAGGCTGCCAATGGCCAGCCTCTGGGAAACAGGCTG
 ATGGAAGCCTTGAGGACAGCTGCATTGTGCAATTGGTGGTGGGAAGGAGGCCGGGCACAGGAAGCTGA
 TGACCCTGCTCCTGGGAGCCAAGCCAGGAATGGGGCTGGTGGGACCCAAAGGGCCAGACGCCCAACCAC
 AATCAGCGGGACGGGATTCTGGGAGCCTGGGCAGCCCTCCGCCTCCAGGGAGTCTTGGTGAAGGCAC
 GGGCTGGACAAGACAGTGGTGGCAGCGGAGAGCCAGGCAGTAACAGTAAGCTGCTGTATAAGACCTCTGT
 GGTGAAGAAGGCAGCAGCCCGCAGGAGGCCACCCTGATGAAGCCTTCGACCATGAGGTCTCAGCCTTC
 TCCCAGCCAACCTGGACTTCTGTGCCTGCAGGAGGTGTTTACAAGCGTGCAGCTGCCAAGTTGAAAG
 AGCAGCTACATGGCTACTTCGAGTACATCCTGTATGATGTTGGGGTCTATGGCTGCCATGGTTGCTGCAA
 TTTCAAATGTCTCAACAGCGGTCTTCTTTGCCAGCCGCTACCCTGTTATGGAGGTGGCCTACTACTGT
 TACCCCAATGGGTGCAGCTTCGATGCCCTGGCCTTAAGGGAGCTCTGTTTCTCAAGGTGCAGGTGGGAA
 GCACACCTCAGGACCAAAGAATTGTTGGGTACATCGCCTGTACACACCTGCATGCCCCACCAGAGGACAG
 TGCCATCCGGTGTGAGCAGCTGGACCTGCTTCAGGACTGGCTGGCTGATTTCCGAAAATCTACCTCCTCG
 ACCAGCACAGCCAACCCCGAGGAGCTGGTGGTGTGACGTCATCTGTGGAGATTTGAACTTTGATAACT
 GCTCTTCTGATGACAAGCTGGAGCAGCAGCATTACTGTTTACTCGTACAAGGACCCCTGCCGCCTGGG
 GCCTGGGAGGAAAAGCCTTGGGCCATTGGCACCTGCTGGACATAAACGGTCTCTATGATGAGGATGTG
 TGTACCCAGACAATCTCAAAGGTCTTGAGAGTGAGGAAGGCCGAGGGAGTATCTGGCCTTTCCCA
 CCAGCAAGAGCCAGGGCTGGACAGAAGGACGAAAGATCTGTTGAAGGGCAATGGCCGCCGATCGA
 CTACATGCTGCAGCTGAAGAGGCTGTGCCCTGACTGGAAGGCTGAGGTGGAAGAATTCAGTTTTATCA
 CCCAGCTGTCCGGCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_053605
- Insert Size:** 1908 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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_053605.1](#), [NP_446057.1](#)

RefSeq Size: 5022 bp

RefSeq ORF: 1908 bp

Locus ID: 94338

UniProt ID: [O35049](#)

Cytogenetics: 19q12

Gene Summary: mRNA accumulation occurs in a growth arrested confluent monolayer but not in subconfluent cells; may play a role in regulation of cell growth [RGD, Feb 2006]