

## Product datasheet for **RN217236**

### **Smpd4 (NM\_001167806) Rat Untagged Clone**

#### **Product data:**

|                    |   |
|--------------------|---|
| Product Type:      | Expression Plasmids                     |
| Product Name:      | Smpd4 (NM_001167806) Rat Untagged Clone |
| Tag:               | Tag Free                                |
| Symbol:            | Smpd4                                   |
| Synonyms:          | RGD1310674                              |
| Vector:            | pCMV6-Entry (PS100001)                  |
| E. coli Selection: | Kanamycin (25 ug/mL)                    |
| Cell Selection:    | Neomycin                                |



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Fully Sequenced ORF: >RN217236 representing NM\_001167806  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGCGTTCCCTCACCTACAACAGCCTAGTTTCCTTCTGGCTAGCCTGAAAGCTGACTCTATAAATAAGC  
CCTTTGCGCAGCGTTGCCAAGATTTGGTAAAAGTCATTGAGGATTTCCAGCCAAGGAATTGCATGCCAT  
CTTCCCATGGCTGGTGGAGAGCATCTTTGGCAGCCTGGATGGTGTCTTGTGGCTGGAATCTCCGATGC  
CTACAGGGACGTGTGAACCCTGTGGAGTATAGCATAGCAATGGAATTTCTAGACCCAAGTGGCCCAATGA  
TGAAGTTGGTGTATAAGCTTCAAGCTGAAGACTATAACTTTGACTTCCCTGTCTCCTGTCTTCTGGCCC  
TGTGAAGGCATCCATTCAAGAGAATGTCCTCCCTGACAGTCTCTGTACCACAATAAGGTCCAGTTTCCC  
CCGACTGGAGGCCTGGCCTGAATCTGGCCCTCAATCCATTGAATACTATATGTTCTACTTTGCTTTGA  
GCCTCATCTCTAAAAGCCAATGCCTATGTCTTCCATGTCCGTAATTCGGACTGCGCCTATTTTCATCCT  
GGTGGACAGGTACCTGTCTGGTTCCTACCCACTGAAGGCAGCGTGCCTCCACCCTCTGCTCCAGTCCC  
GGGGGCTCCAGCCCTCACCAGCTCCCAGGACACCAGCCATGCCCTTTGCCTCCTATGGCCTCCACACTA  
GCCTCTTGAAGCGGCACATCTCTCATCAGACATCTGTGAATGCAGACCCTGCATCCCATGAGATCTGGCG  
GTCAGAACTCTACTCCAGGTTTTGTGGAAATGTGGCTTCATCATTACTCCCTGGAGATGTACCAAAAA  
ATGCAGTCCCCTCATGCCAAGTTGGAGTTCTACACTACCGACTCAATGTGTCCAGCGCCCTCCACAGCC  
CTGCCAACCCAGCCTCCAGGCCCTCCACGCCTATCAAGAGTCTTCATGCCTACTGAAGAGCATGTGCT  
GGTCGTGCGCCTGCTGCTGAAGCACCTGCATGCCTTTGCCAACAGCCTGAAGCCAGATCAGGCTTACCA  
TCAGCACACTCCCATGCCACCAGTCCCCTGGAGGAATTCAAAACAGCTGCAGTACCTCGGTTTGGCCAG  
AGAAGCTCTATGCTTCTTCTGCAGCATTGTTTTGGCCACTGGCCTCTGGATGCATCCTTTCAGAGCCGCTT  
GGAGATGTGGCTGAGTACCTGCAGCCATGGCGGTATGCCCTGAGAAAACAGGCTCAGGGCAGTGATTCC  
CAGCCACGGTGTGTGTCGGAGAGGTGGGCACCCTTCATCCAGGAAAATCTGCTAATGTACACCAAGCTGT  
TTGTGAGTCTCTGAACCGTGCCCTACGCACAGACCTCGTCAGCCCAAGAATGCACTCATGGTCTTCCG  
AGTGGCTAAGGTCTTTGCCAGCCCAACCTGACTGAGATGATCCAGAAAGGTGAGCAGCTGTTCTGGAG  
CCAGAGCTCATCATTCCCACCGCCAACATCGGCTCTTACAGCCACCAGCAGCTTCTGTACCATGGC  
CCCCTGTTGTGACAGATGCCTCGTTCAAGGTGAAGAGCCATGTCTACAGCCTGGAGGGCCAAGACTGCAA  
ATATACCCCAATGTTTGGTCTGAAGTCCGAACCCTGGTCTTGGCCTTGCTCAGCTCATCACACAGGCC  
AAGCAGACTGCCAAGTCCATCTCTGATCAGTGTGTGGAGAGCCCAACTGGCCGCTCCTTCTGTCTGTC  
TGGGTTTTGGCTCCACAGACACAAATAGCTGGTACCCAGCAATGACCCGGATGAAATGGGTGAGGACAG  
CATCCGCAAGACAGACGAGTACCTAGAGAAGGCCCTGGAGTACCTGCGCCAGATATTCCGGCTCAGCGAA  
GCCAGCTGGCCAGCTCACACTCGCCCTGGGGAATGCTCGGGACGAGAATGGGAAGCAGCAGCTCCCAG  
ACTGATTGTGGGGGAAGAAGGACTCATTCTCACACCCTTGGGCCGATACCAGATCATCAATGGTCTGCG  
AAGGTTGAGATTGAGTACCAGGGGACTTAGAGCTGCAGCCATCCGGAGCTATGAAATCACTAGTCTG  
GTCCGTGCACTCTCCGGCTGTCTTCTGCCATCAACCGCAGATGTGCAGGACAGATGGCAGCTCTGTGCT  
CCCAGGATGACTTCTTGGCAGCTTCTGTGCTACACCTCACTGAGCCTGCCTTGAGCAACAGACACT  
GCTGAGCCCTGTGGGGCGGAGGAGTCAACACCCTGCACGGGGCCAGACTCAGCCTCCGTTTCTCTG  
GGCAGTTACCGGACACTGCTCCTGCTCCTGATGGCCTTCTTTGGCTTCTCTGTTCTGCATCGGGCCCC  
TGCCCTGCTCCTTGTCTGCTAGGTATATCCTCTACGCCATAGCTATGACTGCTCACTGAGCG  
GGGAAGCTGCACCAGCTTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI  
ACCN: NM\_001167806  
Insert Size: 2472 bp

|                               |   |
|-------------------------------|---|
| <b>OTI Disclaimer:</b>        | 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).  |
| <b>OTI Annotation:</b>        | Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.  |
| <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_001167806.2, NP_001161278.2</u>   |
| <b>RefSeq Size:</b>           | 3450 bp   |
| <b>RefSeq ORF:</b>            | 2472 bp   |
| <b>Locus ID:</b>              | 303790  |
| <b>Cytogenetics:</b>          | 11q23   |