

## Product datasheet for MC204852

### Smyd3 (NM\_027188) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Smyd3 (NM\_027188) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Smyd3  
**Synonyms:** 2410008A19Rik; Zmynd1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC061485  
CGCAGTTCGGATCTGAGGTGTGGATCTGAGGAAGGATGGAGGCACTGAAGGTGAAAAAGTTCACGACTGC  
CAACCGGGGAAACGGGCTGCGTGTGTGGCTCCACTGCGCCCCGGGAGCTGCTCTCCGCTCCGACCCC  
TTGGCTTACACTGTGTGCAAGGGGAGTCGTGGCGTAGTCTGTGATCGCTGCCTACTGGGGAAGGAGAAGC  
TGATGCGTTGTTCTCAATGCCAATTGCCAAATACTGCAGTGCCAAGTGTGAGAAAAAGCCTGGCCGGA  
CCACAGACGGGAATGCAGTTGTCTTAAAGCTGCAAGCCAGATATCCGCCGACTCCGTGAGACTTCTG  
GGCAGGGTTATCGTCAAGCTGATGGATGAAAAGCCCTCAGAGTCAGAGAACTTTATTCATTTTATGATC  
TGGAGTCCAATATTAGCAAACCTCACTGAAGATAAGAAAGAGGGCCTGAGGCAACTGCAATGACTTTTCA  
ACATTTTCATGAGAGAGGAGATCCAGGATGCGTCTCAGCTGCCGCTTCTTTTACCTTTTGAAGCCTTT  
GCAAAAAGTGATCTGCAATTCGTTCACTATCTGCAACGCGGAGATGCAGGAGGTGCGCGTTGGCCTGTACC  
CCAGTATGTCTTTGCTGAATCACAGCTGTGACCCCACTGCTCCATCGTATTCAACGGGCCCCACCTCTT  
ACTGCGTGCAGTGCGGGAAATTGAAGCAGGAGAGGAGCTCACCATCTGCTACCTGGACATGCTGATGACC  
AGCGAGGAACGCCGGAAGCAGCTGAGGGACCACTGCTTTGAGTGTGACTGCATCCGATGCCAAACCC  
AGGACAAGGATGCTGACATGCTAACGGGTGACGAGCAAATATGGAAGGAGGTTCAAGAGTCGCTGAAGAA  
AATCGAAGAGCTGAAGGCCCACTGGAAGTGGGAGCAGGTTCTGGCACTGTGCCAGGCGATCATAACAGC  
AATTCGACCGGCTTCTGACATCAACATCTACCAGCTGAAGGTGCTCGACTGTGCCATGGATGCCTGCA  
TCAACCTGGGGATGCTGGAGGAGCGTTGTTCTACGCCATGCGCACCATGGAGCCGTACCGGATTTTTTT  
CCCTGGAAGCCATCCCGTCAGAGGTGTGCAAGTGTGAAAAGTTGGCAAGTGCAGCTCCATCAAGGCATG  
GCCTGATTGAAGATTGATTCTTCTCCTGGAAGAATGTGATGCCAATACGAGCCTCCTAAGGACCCCC  
AGAAGGACGGGAAGGTGGCGGCCCTCCATCGAACGCCTTACTGAGGTACACGCTCTGTGGTGTGTTGC  
TGTGTGGACCTTCTGTAGAAATTGCCAATGTGTTTATGTGGTAAATGTGATTCTGTGGCATGCTGTGAG  
AAGTCTTACTCGTATAGAGCAGAACCATTACAATAAAATAAAAAGACGAGTCCAAAAA  
AAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI



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<b>ACCN:</b>	NM_027188
<b>Insert Size:</b>	1287 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>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="#">BC061485</a> , <a href="#">AAH61485</a>
<b>RefSeq Size:</b>	1565 bp
<b>RefSeq ORF:</b>	1287 bp
<b>Locus ID:</b>	69726
<b>UniProt ID:</b>	<a href="#">Q9CWR2</a>
<b>Cytogenetics:</b>	1 83.48 cM
<b>Gene Summary:</b>	Histone methyltransferase. Specifically methylates 'Lys-4' of histone H3, inducing di- and tri-methylation, but not monomethylation. Also methylates 'Lys-5' of histone H4. Plays an important role in transcriptional activation as a member of an RNA polymerase complex. Binds DNA containing 5'-CCCTCC-3' or 5'-GAGGGG-3' sequences.[UniProtKB/Swiss-Prot Function]