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# Product datasheet for SC305697

## SMYD4 (NM_052928) Human Untagged Clone

### Product data:

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|---|---|
| **Product Type:** | Expression Plasmids |
| **Product Name:** | SMYD4 (NM_052928) Human Untagged Clone |
| **Tag:** | Tag Free |
| **Symbol:** | SMYD4 |
| **Synonyms:** | ZMYND21 |
| **Mammalian Cell Selection:** | Neomycin |
| **Vector:** | pCMV6-Entry (PS100001) |
| **E. coli Selection:** | Kanamycin (25 ug/mL) |

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**Fully Sequenced ORF:**

```
>SC305697 representing NM_052928.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGATCTGCCTGTGGATGAATGGAAATCATATCTGCTTCAAAAGTGGGCTTCACTCCCGACGTCTGTT
CAGGTCACAATTTCTACAGCAGAGACCTTGAGGGATATCTTTCTTCACTCCTCTTCACTTCTTCAACCT
GAGGATGAGCTGTTTCTAAAAAGACTTTCTAAAGGTTACTTGGTGGGAAAGGACTCGGACGCTCCTCTT
TTCTACAGAGAAGAAGGAAACAAAAAATTTCAGGAGAAAGATTACACAGGAGCTGCAGTGCTGTACTCT
AAGGGAGTGTCACATTCAAGGCCTAACACTGAGGACATGTCACTGTGTCATGCTAACCGCTCGGCAGCC
CTCTTCCACCTGGGTCAGTATGAGACGTGTCTTAAAGACATTAACAGAGCACAGACACATGGGTATCCA
GAAAGGTTGCAACCCAAGATTATGTTACGTAAAGCAGAATGTCTGGTGGCCCTGGGGAGACTGCAGGAG
GCAAGCCAGACCATCAGTGATCTTGAAAGGAACTTCACAGCCACACCAGCCCTAGCAGATGTCCTCCCT
CAGACTCTGCAGAGAAACCTCCATCGTCTGAAAATGAAGATGCAAGAAAAGGACAGTCTCACAGAAAGC
TTCCCAGCAGCTCTGGCCAAAACCCTTGAGGATGCAGCGCTGAGGGAGGAGAATGAACAACTTTCCAAT
GCCTCATCATCCATCGGCTTATGCGTAGATCCTTTAAAAGGTCGCTGTCTCGTTGCCACAAAAGATATT
CTCCCAGGAGAGCTCCTGGTGCAGGAGGATGCTTTTGTGAGTGTTCTCAACCCAGGAGAACTGCCACCA
CCGCATCACGGCCTAGACAGCAAATGGGACACCAGAGTCACCAATGGGGACCTCTATTGTCACCGATGT
TTGAAGCACACTTTGGCCACAGTTCCGTGTGACGGATGCAGTTATGCCAAGTATTGCAGCCAGGAGTGT
TTGCAGCAGGCCTGGGAGCTCTACCACAGGACAGAATGTCCTCTGGGAGGGCTGCTTCTCACACTGGGT
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GAGCACAAATTCCTCTGTGCTCTCTGTGTTTCTGCACTGTGCAGACAGCTAGAAGCAGCCAGTTTACAG
GCCATCCCAACTGAGAGGATTGTGAACTCCTCTCAGCTTAAAGCAGCAGTGACACCTGAATTGTGTCCT
GACGTGACTATTTGGGGAGTGGCGATGCTGAGACACATGTTACAGCTTCAGTGTAACGCTCAGGCGATG
ACCACCATACAACACACAGGACCTAAAGGGAGCATCGTTACCGACAGCAGGCAGGTGCGCCTTGCCACA
GGCATCTTCCCTGTTATCAGCCTCCTGAACCACTCCTGTAGCCCCAACACCAGCGTGTCCTTCATTAGC
ACTGTCGCCACCATCCGGGCGTCACAGCGGATTAGAAAGGGGCAAGAGATTCTCCACTGCTATGGGCCT
CACAAGAGCCGGATGGGGGTTGCCGAAAGGCAGCAGAAGCTGAGGTCTCAGTATTTCTTTGACTGCGCC
TGTCCAGCTTGTCAAACTGAGGCACACAGGATGGCTGCAGGGCCCAGGTGGGAAGCATTCTGTTGCAAC
AGTTGCGGAGCGCCCATGCAGGGAGATGACGTGCTGCGCTGTGGCAGCAGATCTTGTGCAGAATCCGCC
GTCAGCAGGGACCACCTGGTCTCTCGGTTACAGGACCTACAGCAGCAGGTCAGAGTGGCCCAGAAGCTT
CTCAGAGATGGTGAACTAGAGCGAGCTGTTCAGCGGCTGTCGGGGTGCCAGCGTGACGCCGAGAGCTTC
CTGTGGGCAGAGCACGCCGTGGTGGGAGAGATCGCGGATGGCCTGGCCCGGGCCTGTGCTGCCTTAGGA
GACTGGCAAAAGTCAGCCACCCATCTACAGAGGAGTCTCTACGTGGTGGAGGTTCGCCACGGGCCGTCC
AGTGTTGAAATGGGCCATGAGCTCTTCAAATTGGCCCAGATCTTTTTCAACGGGTTTGCAGTACCCGAA
GCCCTGAGCACAATACAGAAAGCTGAGGAGGTTCTGTCGCTGCACTGTGGCCCATGGGACGATGAAATC
CAGGAGCTCCAGAAGATGAAATCCTGTTTGTTGGACTTACCACCCACCCCTGTAGGGCCTGCATTGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

**Restriction Sites:** SgfI-MluI

**ACCN:** NM_052928

**Insert Size:** 2415 bp

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| **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). |
| **OTI Annotation:** | This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA. |
| **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.<br>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.<br>3. Close the tube and incubate for 10 minutes at room temperature.<br>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.<br>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_052928.2 |
| **RefSeq Size:** | 4349 bp |
| **RefSeq ORF:** | 2415 bp |
| **Locus ID:** | 114826 |
| **UniProt ID:** | Q8IYR2 |
| **Cytogenetics:** | 17p13.3 |
| **MW:** | 89.2 kDa |

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