

Product datasheet for **SC305697**

SMYD4 (NM_052928) Human Untagged Clone

Product data:

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)



[View online »](#)

Fully Sequenced ORF: >SC305697 representing NM_052928.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

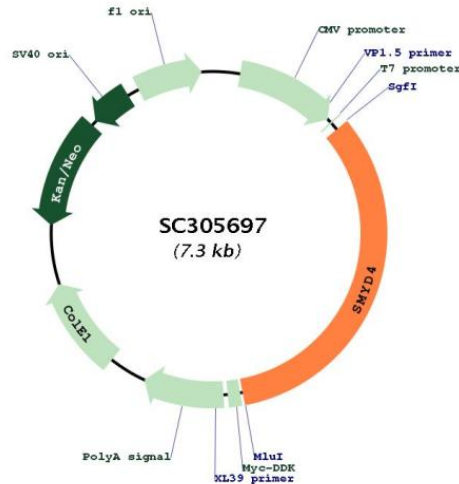
```

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGGATCTGCCTGTGGATGAATGGAAATCATATCTGCTTCAAAGTGGGCTTCACTCCCAGCTGTGT
CAGGTACAATTTCTACAGCAGAGACCTTGAGGGATATCTTTCTCACTCCTCTTCACTTCTTCAACCT
GAGGATGAGCTGTTTCTAAAAAGACTTTCTAAAGGTTACTTGGTGGGAAAGGACTCGGACGCTCCTCTT
TTCTACAGAGAAGAAGGAAACAAAAATTTTCAGGAGAAAGATTACACAGGAGCTGCAGTGTGTACTCT
AAGGGAGTGTACATTCAAGGCCTAACACTGAGGACATGTCACTGTGTCATGCTAACCGCTCGGCAGCC
CTCTTCCACCTGGGTCACTATGAGACGTGTCTTAAAGACATTAACAGAGCACAGACACATGGGTATCCA
GAAAGGTTGCAACCCAAGATTATGTTACGTAAGCAGAATGTCTGGTGGCCCTGGGAGACTGCAGGAG
GCAAGCCAGACCATCAGTGTCTTGAAGGAACCTCACAGCCACACCAGCCCTAGCAGATGTCTCCCT
CAGACTCTGCAGAAAACCTCCATCGTCTGAAAATGAAGATGCAAGAAAAGGACAGTCTCACAGAAAAGC
TTCCAGCAGCTCTGGCCAAAACCTTGAGGATGCAGCGCTGAGGGAGGAGAATGAACAACCTTCCAAAT
GCCTCATCATCCATCGGCTTATGCGTAGATCCTTTAAAGGTGCTGTCTCGTTGCCACAAAAGATTATT
CTCCCAGGAGAGCTCCTGGTGCAGGAGGATGCTTTTGTGAGTGTCTCAACCCAGGAGAAGTCCACCA
CCGCATCACGGCCTAGACAGCAAATGGGACACCAGAGTACCAATGGGGACCTCTATTGTACCCGATGT
TTGAAGCACACTTTGGCCACAGTTCCTGTGACGGATGCAGTTATGCCAAGTATTGCAGCCAGGAGTGT
TTGACGAGCCCTGGGAGCTCTACCACAGGACAGAATGTCTCTGGGAGGGCTGCTTCTCACACTGGGT
GTCTTTTGCCACATTGCCCTGAGGTTGACTCTTTTGGTGGGATTTGAGGATGTTCCGAAAATCATAACG
AAGCTTTGTGATAAGATTAGTAAACAAGGACATCTGTTTACCTGAAAGCAACAATCAGGTCAGACACTT
AATTATGGCCTAGGGGAGAGTGAGAAAAATGGCAACATCGTTGAGACCCCAATTCCTGGATGCGATATT
AATGGGAAGTATGAAAATAATTATAATGTGTCTTCAACCTTTTGCCCCACACTGAAAACCATAGCCCA
GAGCACAATTCCTCTGTGCTCTCTGTGTTTCTGCACTGTGCAGACAGCTAGAAGCAGCCAGTTTACAG
GCCATCCCAACTGAGAGGATTGTGAACCTCTCAGCTTAAAGCAGCAGTGCACCTGAATTGTGTCTCT
GACGTGACTATTTGGGAGTGGCGATGCTGAGACACATGTTACAGCTTCACTGTAACGCTCAGGCGATG
ACCACCATAACAACACAGGACCTAAAGGGAGCATCGTTACCGACAGCAGGACAGTGCAGCTTGGCACA
GGCATCTTCCCTGTTATCAGCCTCCTGAACCACTCCTGTAGCCCCAACCCAGCGTGTCTTATTAGC
ACTGTCCGCCACCATCCGGGCGTCACAGCGGATTAGAAAGGGCAAGAGATTCTCCACTGCTATGGGCTT
CACAAGAGCCGGATGGGGTTGCCGAAAGGCAGCAGAAGCTGAGGTCTCAGTATTTCTTTGACTGCGCC
TGTCAGCTTGTCAAACCTGAGGCACACAGGATGGCTGCAGGGCCAGGTGGGAAGCATTCTGTTGCAAC
AGTTGCGGAGCGCCATGCAGGGAGATGACGTGCTGCGCTGTGGCAGCAGATCTTGTGCAGAAATCCGCC
GTCAGCAGGGACCACTGGTCTCTCGGTTACAGGACCTACAGCAGCAGGTGAGAGTGGCCAGAAGCTT
CTCAGAGATGGTGAACCTAGAGCGAGCTGTTACAGCGGTGTGCGGGTGCAGCGTGCAGCCGAGAGCTT
CTGTGGGAGAGCAGCCGTTGGTGGGAGAGATCGCGGATGGCCTGGCCGGGCTGTGCTGCCTTAGGA
GACTGGCAAAAGTCAGCCACCACTACAGAGGAGTCTCTACGTGGTGGAGGTTGCCACGGGCGTCC
AGTGTGAAATGGCCATGAGCTCTTCAAATTGGCCAGATCTTTTTCAACGGGTTTGCAGTACCCGAA
GCCCTGAGCACAATACAGAAAGCTGAGGAGGTTCTGTGCTGCACTGTGGCCCATGGGACGATGAAATC
CAGGAGCTCCAGAAGATGAAATCCTGTTTGTGGACTTACCACCCACCCCTGTAGGGCTGCATTGTAG

```

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: Sgfl-Mlul

Plasmid Map:


ACCN: NM_052928

Insert Size: 2415 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).

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.
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_052928.2](#)

RefSeq Size: 4349 bp

RefSeq ORF: 2415 bp

Locus ID: 114826

UniProt ID: [Q8IYR2](#)

Cytogenetics: 17p13.3

MW: 89.2 kDa