

Product datasheet for **SC104252**

SMYD4 (AK092149) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | SMYD4 (AK092149) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | SMYD4 |
| Synonyms: | ZMYND21 |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL6</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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Fully Sequenced ORF: >NCBI ORF sequence for AK092149, the custom clone sequence may differ by one or more nucleotides

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GACGGATGCAGTTATGCCAAGTATTGCAGCCAGGAGTGTTTGCAGCAGGCCCGGGAGCTCTACCACAGGA
CAGAATGTCTCTGGGAGGGCTGCTTCTCACACTGGGTGCTTTTGGCCACATTGCCCTGAGTTGACTCT
TTTGGTGGGATTTGAGGATGTTTCGCAAAATCATAACGAAGCTTTGTGATAAGATTAGTAACAAGGACATC
TGTTTACCTGAAAGCAACAATCAGGTCAAGACACTTAATTATGGCCTAGGGGAGAGTGAGAAAAATGGCA
ACATCGTTGAGACCCCAATTCTGGATGCGATATTAATGGGAAGTATGAAAAAATTATAATGCTGTCTT
CAACCTTTGCCCCACTGAAAACCATAGCCAGAGCACAAATCCTCTGTGCTCTCTGTGTTTCTGCA
CTGTGCAGACAGCTAGAAGCAGCCAGTTTACAGGCCATCCCAACTGAGAGGATTGTGAACCTCTCAGC
TAAAGCAGCAGTGACACCTGAATTGTGCTGCTGACGTGACTATTTGGGGAGTGGCGATGCTGAGACACAT
GTTACAGCTTCAGTGTAACGCTCAGGCGATGACCACCATAACAACACAGGACCTAAAGGGAGCATCGTT
ACCGACAGCAGGCAGGTGCGCTTGCCACAGGCATCTTCCCTGTTATCAGCCTCCTGAACCACTCCTGTA
GCCCAACACCAGCGTGCTTTCATTAGCACTGTCCGCCACCATCCGGGCGTCACAGTGGATTAGAAAAGG
GCAAGAGATTCTCCACTGCTATGGGCCTACAAGAGCCGGATGGGGGTTGCCGAAAGGCAGCAGAAGCTG
AGGTCTCAGTATTTCTTTGACTGCGCTGTCCAGCTTGTCAAACCTGAGGCACACAGGATGGCTGCAGGGC
CCAGGTGGGAAGCATTCTGTTGCAACAGTTGCGGAGCGCCATGCAGGGAGATGACGTGCTGCGCTGTGG
CAGCAGATCTTGTGCAGAATCCGCCGTGACAGGGACCACCTGGTCTCTCGGTTACAGGACCTACAGCAG
CAGGTGAGAGTGGCCAGAAGCTTCTCAGAGATGGTGAAGTACAGCGAGCTGTTACAGCGGCTGTCGGGGT
GCCAGCGTGACGCCGAGAGCTTCTGTGGGCAGAGCACGCCGTGGTGGGAGAGATCGCGGATGGCCTGGC
CCGGGCTGTGCTGCCTTAGGAGACTGGCAAAAGTCAGCCACCCATCTACAGAGGAGTCTCTGCGTGGTG
GAGGTTCCGCCACGGGCCGTCCAGTGTGAAATGGGCCATGAGCTCTTCAAATTGGCCAGATCTTTTTCA
ACGGGTTTTGCAGTACCCGAAGCCCTGAGCACAATACAGAAAGCTGAGGAGGTTCTGTGCTGCACTGTGG
CCCATGGGACGATGAAATCCAGGAGCTCCAGAAGATGAAATCCTGTTTGTGGACTTACCACCCACCCCT
GTAGGGCTGCATTGTGGGGTCCAGGAGGATTTTACCACAGAAAAGGAGCCCATGGAACACAAGTTA
AAGAGTTTTGCTGCCAGGTATGGTGGCTCACGCCTGTAATCCCAGCACTTTGGGAGGCTAAGGTGGGCG
GATCACCTGATGTCAGGAGTTCAAGACCAGCCTGGCCAACATGGTGAACCCCATCTTTACTAAAAATAC
AAAAAACTAGCCAGGCGTGGTGGTGGCACCTGTAATCCCAGCTGCTTGGGAGGCTGAGGCAGGAGAAT
CTCTTGAACCCAGGAGGCGGAGGTTGCAGTGAGCCGAGATCGCTCCACTGCACTCCAGCCAGGTGACAG
TGTGAGACTCCATCTCAAAAAAAAAAATAAGAGGCCGGGTGCGGTGGCTCAAGTCTGTAATCCCAGCACT
TTGGGAGGCCGAGGCAGGCAGATCACGAGGTGAGGAGATCCAGACCATCCTGGCTAACACGGTGAACCC
CGTCTCTACTAAAAATACAAAAAATTAGTCGGGCGTGGTGGCGGACGCCTGTGTTACACGCTACTCGGG
AGGTTGAGGCAGGAGAATGGGGTGAACCCGGGAGGAAGAGCTTGCAGTGAGCCGAGATCGCGCCACTGCA
CTCCAGCTGGGTGACAGAGCCAGACTCCATCTC
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| 5' Read Nucleotide Sequence: | <p>>OriGene 5' read for AK092149 unedited</p> <pre>TCCCCCGCTGTTGNCGCAAAGGGCGGTATGCGTGTACGGTGGGAGGTCTATATAAGCAG AGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGCGGCCGCAA TTGGGCACGAGGCAGAGTACCAATGGGGACCTCTATTGTACCAGATGTTTGAAGCACAC TTTGGCCACAGTCCGTGTGACGGATGCAGTTATGCCAAGTATTGCAGCCAGGAGTGTTC GCAGCAGGCCTGGGAGCTCTACCACAGGACAGAATGTCCTCTGGGAGGGCTGCTTCTCAC ACTGGGTGTCTTTTGGCCACATTGCCCTGAGGTTGACTCTTTTGGTGGGATTTGAGGATGT TCGCAAAATCATAACGAAGCTTTGTGATAAGATTAGTAACAAGGACATCTGTTTACCTGA AAGCAACAATCAGGTCAAGACACTTAATTATGGCCTAGGGGAGAGTGAGAAAAATGGCAA CATCGTTGAGACCCCAATTCCTGGATGCGATATTAATGGGAAGTATGAAAATAATTATAA TGCTGTCTTCAACCTTTTGGCCCACTGAAAACCATAGCCCAGAGCACAAATTCCTCTG TGCTCTGTGTTTCTGCACTGTGCAGACAGCTAGAAGCAGCCAGTTTACAGGCCATCCC AACTGAGAGGATTGTGAACCTCTCAGCTTAAAGCAGCAGTGACACCTGAATTGTGTCC TGACGTGACTATTTGGNGAGTGGCGATGCTGAGACACATGTTACAGCTTCAGTGAACGC TCANGCGATGACCACCATANCACACACAGGACCTAAAGGGAGCATCGNTACCGACAGCAG GCAGGTGCGCCTTTGCACAGCATCTTCCCTGTTATCAGCTNCTGAACCCTCTGTAGCCC CACACCAGCGTGTCTTATAGCACTGTGCGACCTTNCGGCGTACAGTGGATAAAAAGGG GCAGAA</pre> |
| 3' Read Nucleotide Sequence: | <p>>OriGene 3' read for AK092149 unedited</p> <pre>GGTACAGCTATGNNACCGCGGCCCAATCTANNGATCGATTTTTTTTTTTTTTTTTTTGAG ATGGAGTCTGGCTCTGTACCCAGGCTGGAGTGCAGTGGCGCATCTCGGCTCACTGCAA GCTCTTCTCCCGGGTTACCCATTCTCTGCCTCAACCTCCCGAGTAGCTGTGAATAC AGGCGTCCGCCACCACGCCCGACTAATTTTTTTGTATTTTATAGTAGAGACGGGGTTTCC CGTGTTAGCCAGGATGGTCTGGATCTCCTGACCTCGTGATCTGCCTGCCTCGGCCCTCCA AAGTGTGGGATTACAGGCTTGAGCCACCGCACCCGGCCTTTATTTTTTTTTTTGAGAT GGAGTCTCACACTGTACCTGGGCTGGAGTGCANTGGAACCATCTCNGCTCACTGCAACC TCCGCCTCCTGGGTTCAAGAGATTCTCCTGCCTCAACCTCCCAAGTAGCTGGGATTACAG GTTGCCACCCAGGCTGGCTTGAACCTGACATCAAGTGATCCGCCACCTTATCCTCCCA AGTGCTGGGATTACACGGGTGAGCCACCCTACCCTGGGCCGAAAAAATCCTTTACATTGG GGTTCCTGGGGCTCCTTTTCTGTGGGGCAAAAATCTCCCGGACCCTACAAAGCAAGGC CCAACAGGGGTGGGTGGTAAGTCCACAAAACAGGATTCATTTTCTGGGACCCCTGGGTT ATCCGCCCTGGGGCACAGGGGAGCGGCCGAAACTTCTCAACTTTTTTTTTTTGGCTCAA GGGTTCCGGTCTGCCAACCCCTTGAAGAATATGGGCCCTTTGAAAAACCATGGGCC CTT</pre> |
| Restriction Sites: | NotI-NotI |
| ACCN: | AK092149 |
| Insert Size: | 2500 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: [AK092149.1](#)

RefSeq Size: 2134 bp

RefSeq ORF: 2134 bp

Locus ID: 114826

Cytogenetics: 17p13.3