

Product datasheet for **SC328702**

SMYD3 (NM_001167740) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SMYD3 (NM_001167740) Human Untagged Clone
Tag:	Tag Free
Symbol:	SMYD3
Synonyms:	bA74P14.1; KMT3E; ZMYND1; ZNFN3A1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene sequence for NM_001167740 edited
 GCTGGACGCGGGTAGCCGCTGAGGTGCCGGAGCTGCGGGAGGATGGAGCCGCTGAAGGT
 GGAAAAGTTGCGAACCGCCAACAGGGGAAACGGGCTGCGCGCCGTGACCCCGCTGCGCCC
 CGGAGAGCTACTCTCCGCTCGGATCCCTTGGCGTACACGGTGTGCAAGGGGAGTCGTGG
 CGTCGTCTGCGACCGCTGCCTTCTCGGGAAGGAAAAGCTGATGCGATGCTCTCAGTGCCG
 CGTCGCCAAATACTGTAGTGCTAAGTGTGCAAAAAAGCTTGGCCAGACCACAAGCGGGA
 ATGCAAATGCCTTAAAAGCTGCAAACCCAGATATCTCCAGACTCCGTTGACTTCTTGG
 CAGAGTTGTCTTCAAACCTTATGGATGGAGCACCTTCAGAATCAGAGAAGCTTTACTCATT
 TTATGATCTGGAGTCAAATATTAACAAACTGACTGAAGATAAGAAAAGAGGGCCTCAGGCA
 ACTCGTAATGACATTTCAACATTTTCATGAGAGAAGAAATACAGGATGCCTCTCAGCTGCC
 ACCTGCCTTTGACCTTTTGAAGCCTTTGCAAAAGTGATCTGCAACTCTTCCACCATCTG
 TAATGCGGAGATGCAGGAAGTTGGTGTGGCCTATATCCCAGTATCTCTTGTCAATCA
 CAGCTGTGACCCCACTGTTGATTGTGTTCAATGGGCCACCTTACTGCGAGCAGT
 CCGAGACATCGAGGTGGGAGAGGAGCTCACCATCTGCTACCTGGATATGCTGATGACCAG
 TGAGGAGCGCCGAAGCAGCTGAGGGACCAGTACTGCTTTGAATGTGACTGTTCCGTTG
 CCAAACCCAGGACAAGGATGCTGATATGCTAACTGGTGTGAGCAAGTATGGAAGGAAGT
 TCAAGAATCCCTGAAAAAATTGAAGAAGTGAAGGCACACTGGAAGTGGGAGCAGTTCT
 GGCCATGTGCCAGGCGATCATAAGCAGCAATTCTGAACGGCTTCCCGATATCAACATCTA
 CCAGCTGAAGGTGCTCGACTGCGCCATGGATGCCTGCATCAACCTCGGCCTGTTGGAGGA
 AGCCTTGTCTATGGTACTCGGACCATGGAGCCATACAGGATTTTTTCCAGGAAGCCA
 TCCCGTCAGAGGGTTCAAGTGATGAAAGTTGGCAAATGCAGCTACATCAAGGCATGTT
 TCCCAAGCAATGAAGAATCTGAGACTGGCTTTTATGATATTATGAGAGTGACACATGGCAG
 AGAACACAGCCTGATTGAAGATTTGATTACTTTTGAAGAATGCGACGCCAACATCAG
 AGCATCCTAAGGGAACGCAGTACAGAGGAAATACGGCGTGTCTTTGTTGAATGCCTTA
 TTGAGGTCACACACTCTATGCTTTGTTAGCTGTGTGAACCTCTCCTATTGAAATCTGT
 TCCGTGTTGTGTAGGTAATAAAGGCAGACATGGTTTGCAAACCACAAGAATCATTAGT
 TGTAGAGAAGCACGATTATAATAAATTCAAAACATTTGTTGAGGATGCCAAAAA
 A

Restriction Sites: Please inquire

ACCN: NM_001167740

Insert Size: 1590 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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:	<ol style="list-style-type: none">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:	<u>NM_001167740.1, NP_001161212.1</u>
RefSeq Size:	1641 bp
RefSeq ORF:	1287 bp
Locus ID:	64754
UniProt ID:	<u>Q9H7B4</u>
Cytogenetics:	1q44
Gene Summary:	This gene encodes a histone methyltransferase which functions in RNA polymerase II complexes by an interaction with a specific RNA helicase. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2011] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).