

Product datasheet for **SC127026**

SETD5 (AK092046) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	SETD5
Mammalian Cell	None
Selection:	
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



Fully Sequenced ORF: >NCBI ORF sequence for AK092046, the custom clone sequence may differ by one or more nucleotides

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CTAACTCGAGTCCTGCCGCTCCCGGAGTGCCGTGCGCCGACGCCGGGCCAGGCCCGGCAGCGCT
GGGACAAGGTCTTCAGAACTACTAGCAGATAATTTGGGGGACTTCATATTAGAACTCTATATAAGGA
TTCCTCATGTCCATAACATGTTGGATGAGGCTCTGCAGCTCACCCCACTCTCAGAGTGGTCAGTCTCCA
TTAATTGGACCCCGTGATTTCCAATCTCTGCTGTGTTGGACGTCATGAGCATTGCAATCCCTCTGGGAGT
CACCACATCAGATACATCCTACTCAGATATGGCTGCTGGATCAGAAAAGGAAGTGAAGCCCCCTACCTT
TCAAGACGAAGTGGCACTACACCAGGATGTGAAAGTCCAGCGAAAGAGACCAAGGGGCCTAGGGGGCAG
CACACCCCAAGCAAGTCTATTCCAGGCAGTACCAGGGATTAGGGTCTGGGCTGGAAAAATCCTGGT
GTTTTGAATATGTTCAAGTCCAGTTCAGACTCTTGATCCCACAGCCACTTCTTGAGTGAGCCCTGAATCT
GTGGAGGCTAGTCCAGCAGTTAATGAGAAGAGCGTGATTCCACTCATAATTATGGGACCACTCAGAGGC
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CCCTGTCCAGACGATCATCCCTCGTTCTGACCTGAATGGCCTGCCGTGCGCTGTAGAGGAACGCTGTGGA
GACAGCCCGAACTCTGAAGGAGAACTGTACCTACCTGGTGTCTTGTGGTCTTTCTCAGGATGGCTTCC
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CAACATATCAGGTGGGATAGCAGTGAACAGAAAGCTGTGATGAGGAGCTTTCTCCTTCCACTGTGTTG
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AAAAGAGTCCAGAAAGGGTCGTGCAGCACCAAGACGAAGAAAAATCAAGAATTCTCCCTCTGAAGCACA
GAATTTAGATGAGAATACAAGTGGGGCTGGGAAAATCGGATAAGACTATGGACTGACCAATGAGAA
GCTTTCACTAATCAGTACAGTGCAGATGTACAGAACGCGCTTGAACAACACCTACATTCTAGCAAGGAAT
TTGTGGGCAAACTACTATTTAGACACTATTAATAAGACTGAATTGGCCTGTAATAACACAGTTATTGG
TTCCCAATGCAGTTATAGCTGGGAAGAGTCACTCGTGTCAAAGCACCAGGAAGTCTGAGGGCTGCA
AGAGATTTGGCTTTGGACACTTTAATAAGATATCGTGGGAAAGTATGTTACGACAGCAATTTGAGG
TCAATGGGCATTTCTCAAAAAACCATACCCCTTTGTGCTCTTCTACTCAAAATTCATGGGTAGAGAT
GTGTGTGGATGCCGTAATTTTCGGTAATGATGCTCGGTTTCATCAGAAGATCATGTACACCAATGCAGAG
GTGCGACACATGATTGCAGATGGGATGATTCACCTGTGCATCTATGCTGTGCTGCCATACCAAGGATG
CTGAGGTACCATAGCATTGATTATGAGTATAGTAAGTGAATTATAAAGTGGACTGTGCTGTCAACA
GGGAAACCGGAATTGTCTATACAAAAAGGAATCCTAATGCTACAGAACTGCCACTCTACCACCTCCT
CCAAGCCTACCCACCATTTGGAGCAGAGACTAGACGTAGAAAAGCAGCAGGAAAGAGCTAGAGATGGAGC
AGCAGAATGAGGCTTCAGAGGAGAATAATGACCAGCAATCACAAGAAGTCCAGAAAAAGTAACTGTATC
CAGTGATCATGAGGAAGTAGACAATCCAGAGAAAAACCAAGAGAGAGAAAGAGGTTATAGATGAC
CAGGAGAACCTAGCTCATAGCAGGAGGACAGGGAAGATAGAAAGGTAGAAGCCATCATGCATGCTTTTG
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TACAACCACCTCAGAGACTCCTGTTGGTGAAGAGACAAAACTGAAGCCCTGAATCTGAAGTTAGCAAC
TCTGTTTCAAATGTTACCATCCCAAGCACCACAGAGTGTGGTGTGAATACCCGGAGGTCTTCCCAAG
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AACAAAGCAGAGAGCAAGAGTGCCCTGTTGAGTGCCCTTTACGTATCACAACGGATCCAAGTGTACTGG
CAACGACCTAAACATGTTACCAGGTCTTATCCATTCCCGTTAATTTGCACCACCCCAACACTACAT
TCGCTTTGGCTCACCTTTATCCCTGAGAGACGTCGAAGGCCCTTCTGCCTGATGGCATTACAGTCC
TGTAAGAAGCGCTGGATAAAACAAGCCTTAGAAGAAGGGATGACTCAAACATCATCTGTACCCCAAGAGA
CTAGAAGTACGACCTATACCAAGCAATGAGAATAGTAGCTCTTCTAGTATCTGCAAGACAATGCAGA
CTTGTTGAGCCATTAAAGAAATGGAAGTCTCGCTATCTGATGGAGCAGAAATGTACCAAGTTACTTCGG
CCTCTGTCTCCAGTCACACCACCCCTCCCAATTCAGGCTCAAAGAGTCCCAAGCTGGCCACACCTGGCT
CATCTACCCAGGAGAAAGAGGAGTGTGAAATGGATACAGCCTCATGTTTTACCAAGTCACATCTCTTAC
TACTGTAGTCGCTGCAACACTCCTCTACAGTTTGAAGGTGATTTGGGTTGGTGTGCTGGGAGTGTGGAT
ATGAAATCATCTTTGTACCTTCTCATTTCAATATAATACCATTC
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5' Read Nucleotide
Sequence:

>OriGene 5' read for AK092046 unedited
 TTTGTATACGACTCATATAGGCGGCCCGCGAATTCGCACGAGGCCTCGTGCCGAATTCGG
 CACGAGGAAGAGATTTGGCTTTGGACACTCTTATAATAGAGTATCGTGGGAAAGTCATGT
 TACGACAGCAATTTGAGGTCAATGGGCATTCTTCAAAAAACCATACCCCTTTGTGCTCT
 TCTACTCAAAATTCATGGTGTAGAGATGTGTGGATGCCGTACTTTTCGGTAATGATG
 CTCGGTTTCATCAGAAGATCATGTACACCAATGCAGAGGTGCGACACATGATTGCAGATG
 GGATGATTCACCTGTGCATCTATGCTGTCTGCCATACCAAGGATGCTGAGGTCACCA
 TAGCATTGTGATTATGAGTATAGTAACTGTAATTATAAAGTGGACTGTGCCTGTCACAAGG
 GAAACCGGAATTTGCTATACAAAAAGGAATCCTAATGCTACAGAACTGCCACTCCTAC
 CACCTCCTCAAGCCTACCCACCATTTGGAGCAGAGACTAGACGTAGAAAAGCAGCAGCGGA
 AAGAGCTAGAGATGGAGCAGCAGAATGAGGCTTCAGAGGAGAATAATGACCAGCAATCAC
 AAGAAGTTCCAGAAAAAGTAACTGTATCCAGTGATCATGAANGAAGTAGACAATCCAGAA
 GAAAAACCAGAAGAAGAGAAGNAAGAGTTATAGATGACCAGGAGAACCTAGCTCATAGC
 AGGAGGACCAGGAAGATAGAAAGGTANAAGCCATCATGCATGCCTTTTGAAAACCTTAGA
 GAAAGAAAGAAGCGNCGGATATCAGCCCTTGGACAGAGCACTNCTGATGTAGAGATACTA
 CCACCACTCAAAGACTCCTGGTGGTGAAGACAACTGAAGCCCTGAATCTGAGTAGCAC
 TCTGTTCAATGTACANTCCA

3' Read Nucleotide
Sequence:

>OriGene 3' read for AK092046 unedited
 TGGACCGCGGGCCGAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
 TTTTTTTTAACATTGGGAATGGTATTATATTTGAAATGAGAAGGTACAAATGATGATTTT
 CATATCCAGCACTCCCAGCAACCAACCCAAATCACCTCAAAGTAAAGGAGTGTTGCA
 GCGACTACCAAGTAGTAAAGATGTGACTGGGGAAAACATGAGGCTGTATCCATTTGACA
 CTCCTTTTCTCCTGGGTGAAATGAGCCAGGTGTGCCAGCTGGGGACTCTTTGAGCCTGA
 ATTGGGAGGGGGTGGTGTGACTGGAACAGAGGCCGAAGTAACTTTGGGACATTCTGCTC
 CATCAAATAGCGAGACTTCCATTTCTTTAATGGGCTCAACAAGTCTGTGAACACAAAGC
 TTTTTTATAACCATTTCTGCTGTTATCTGGACACTGGCTAGTCCTTCTTTGTCGCCCTGG
 GAAAACTGATCCCTGACTTGAGATCTCTCTTCTCTGATTGGCTTTGCAGATACTAA
 AAGAGCTACTATTCTCATTGCTTTGGTATAGGTGCTGAGTTCTAGTCTCTTGGGGTACAG
 ATGATGTTTGAGTCATCCCTTCTTCTAAGGCTTGTTTTATCCAGCGCTTCTTACAGGAGC
 TGAATGTGCCATCAGGCAAAAGGGCCTTCGACGTCTCTCAGGGATAAAGGGTGAGCCAA
 AGCGAATGTAGTGTGTTGGGGTGGTGCNAAATAACGGGGAATGGATAAGACCTGGTACAT
 GTTTAGGGCTCGTCGCAGTACAGTTTGGATCCGTTGTGATACGTAAGGGCACTCAACAGG
 GCACCTTGCTTTTCTGCTTTGNCATTCAACATNCTTGTACTAGAACCTTTTGGTTTTG
 GGGGAT

Restriction Sites:

NotI-NotI

ACCN:

AK092046

Insert Size:

2170 bp

OTI Disclaimer:

The sequence of an 'OriGene Unique Variant' differs significantly from the associated reference. It represents a novel splice variant from the same gene locus of the reference. Although such variants are true transcripts and present opportunity for discoveries, they are not yet curated by NCBI and should not be used if the exact reference accession sequence is required.

OTI Annotation:	This TrueClone was found to represent an alternative form of the specific reference to which it is associated. Its Open Reading Frame (ORF) may represent a novel form or alternative splice variant. By virtue of it being a true transcript (cDNA clone not PCR product), it provides a biologically relevant copy of its mRNA template. For more details, please evaluate the sequence information provided on this website or contact our customer care specialists.
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	AK092046.1
RefSeq Size:	3478 bp
RefSeq ORF:	3478 bp
Locus ID:	55209
Cytogenetics:	3p25.3
Domains:	SET
Protein Families:	Druggable Genome
Gene Summary:	This function of this gene has yet to be determined but based on sequence similarity to other SET domain proteins it may function as a histone methyltransferase. Mutations in this gene have been associated with an autosomal dominant form of intellectual disability. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2017]