

Product datasheet for **SC121815**

SETD5 (NM_018187) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	SETD5
Mammalian Cell	None
Selection:	
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_018187 edited
 ATGAGCATTGCAATCCCTCTGGGAGTCACACATCAGATACCTACTCAGATATGGCT
 GCTGGATCAGACCTGAATCTGTGGAGGCTAGTCCAGCAGTAAATGAGAAGAGCGTGTAT
 TCCACTCATAATTATGGGACCACTCAGAGGCATGGGTGTCGAGGACTGCCTTATGCTACG
 ATCATCCCTCGTTCTGACCTGAATGGCCTGCCGTCGCCTGTAGAGGAACGCTGTGGAGAC
 AGCCCCGAACCTCTGAAGGAGAACTGTACCTACCTGGTGTCTTGTGGTCTTTCTCAGGAT
 GGCTTCCTTCTCAACTGTGACAAGTGCAGGGGAATGAGCAGGGGAAGGTTATTAGACTT
 CATCGGCGGAAGCAGGACAACATATCAGGTGGGATAGCAGTGCAACAGAAAGCTGGGAT
 GAGGAGCTTTCTCCTTCACTGTGTTGTATACAGCAACACAGCACACCTACAAGCATC
 ACCTTAACTGTTAGAAGAACCAAAACCAAGAAGCGGAAAAAGAGTCCAGAAAAGGGTCGT
 GCAGCACCAAGAGCAAGAAAAATCAAGAATTCTCCCTCTGAAGCACAGAATTTAGATGAG
 AATACAAGTGAAGGCTGGGAAAAATCGGATAAGACTATGGACTGACCAAGTATGAAGAAGCT
 TTCCTAATCAGTACAGTGCAGATGTACAGAACGCGCTTGAACAACACCTACATTCTAGC
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 AATAACACAGTTATTGGTTCCCAAATGCAGTTACAGCTGGGAAGAGTCACTCGTGTCAA
 AAGCACCGAAGATCCTGAGGGCTGCAAGAGATTGGCTTTGGACACTCTTATAATAGAG
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 CGACACATGATTGCAGATGGGATGATTACCTGTGCATCTATGCTGTGTCTGCCATCACC
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 GAAGCCCTGAATCTGAAGTTAGCAACTCTGTTTCAAATGTTACCATCCCAAGCACCCCA



CAGAGTGTGGTGTGAATACCCGGAGGTCTTCCAAGCAGGGGATATTGCTGCAGAAAA
CTAGTCCCCAAGCCACCTCCAGCAAAGCCTTCTAGGCCCGGCCGAAGAGTCGAATTTCT
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CCTGCAGAAGGATTTTCCAGCAGATATGAACATGGCTTAATGAAAGACCTCTCTCGTGA
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AATATCAGCAGTAGGTGGATGGTTCCACATCAGTAGAACGACTCCGAGAAGGAGGGAGC
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CCTGGAACCCCTCTCACGGTTCTTCAGAAATCATCCCTCTCTCCACGTCCTATTCC
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CCTTCTAGTGTGCTAGCCCTACCCTGCAGGGACCTCAGACTCGCCAACCTCAGATTCA
GTTTCTCAGTCCAGCACAGGAAGTCTGAGTTCCACCTCCTTTCCTCAGAACTCTAGGTCTG
TCATTGCCATCAGACTTACGGACTATCAGTCTGCCAGTGTGGGAGTCAGCTGTCTAC
CAGGCTCCAGGGTATCTGCGGTTTCCAATTACAGCACTACCCACACCGTGGGAGTGGG
GGTGTGCACCACTACCGACTCCAGCCACTGCAAGGGTCAGGAGTCAAGACTCAGACGGGA
CTTTCCTAG

Restriction Sites:

NotI-NotI

ACCN:

NM_018187

Insert Size:

4400 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_018187.1, NP_060657.1</u>
RefSeq Size:	3334 bp
RefSeq ORF:	2775 bp
Locus ID:	55209
Cytogenetics:	3p25.3
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]