

Product datasheet for **MC224583**

Setd5 (BC083184) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Setd5 (BC083184) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Setd5
Synonyms:	mKIAA1757, C330007C20
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>BC083184 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCATTGCAATCCCTCTGGGAGTCACCACACCAGATACTTCCTACTCAGATATGGCTGCTGGATCAG
ACCCTGAATCTGTGGAGGCTAGTCCAGCAGTTAATGAGAAGAGCGTGTATCCACTCATAATTATGGGAC
CACTCAGAGGCATGGGTGTCGAGGACTGCCTTATGCTGATCATAATTACGGAGCCCTCCTCCTCGGACA
CCTCCTGCTTCTCCCCCTGTCCAGACGATCATCCCTCGTTCTGACCTGAATGGCCTGCCGTGCCCGTAG
AGGAACGCTGTGGAGACAGCCCGAACTCTGAAGGAGAGACTGTTCCCTACCTGGTGTCTTGTGGTCTTTC
TCAGGATGGCTTCTTCTCAACTGTGACAAGTGCAGGGGAATGAGCAGGGGGAAGGTTATTAGACTTCAT
CGGCGGAAGCAGGACAACATATCAGGTGGGGATAGCAGTGCAACAGAAAGCTGGGATGAGGAGCTTTCTC
CTTCCACTGTGTTGTACACAGCAACACAGCACACACCTACAAGCATCACCTTAACTGTTAGAAGAACAA
ACCCAAGAAGCGGAAAAAGAGTCCAGAAAAGGGTCGTGCAGCACCAAGACGAAGAAGATCAAGAATTCT
CCCTCGGAAGCACAGAATTTAGATGAAAATACCACTGAGGGCTGGGAAAAATCGGATAAGACTATGGACTG
ATCAATATGAAGAAGCTTTCACATAATCAGTACAGTGCAGATGTACAGAATGCCCTTGAGCAACATCTCCA
TTCTAACAAAGGAATTTGTGGGCAACCTGCAATTTTAGACACTATTAATAAAACTGAACTGGCCTGTAAT
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TCCTGAGGGCTGCAAGAGATTTGGCTTTGGACTCTTATAATAGAATATCGTGGGAAAGTCATGTTACG
ACAACAATTTGAGGTCAATGGGCATTTCTTTAAAAAACCATATCCCTTTGTGCTTCTACTCAAAATTC
AATGGTGTAGAGATGTGTGTCGATGCTCGTACTTTCGGTAATGATGCTCGGTTTCATCAGAAGATCATGTA
CACCAATGCAGAGGTGAGACACATGATTGCAGATGGGATGATTCCTTGTGTATCTATGCCGTATCTGC
TATCACCAAGGATGCAGAAGTACCATTGCATTTGATTATGAATATAGTAACTGTAATTACAAAGTGGAC
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TCCCACCTCCTCCTAGCTTTCCACCATTGGAGCAGAGACCAGACGTAGAAAAGCACGGCGGAAAGAGCT
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GTAAGTGTATCCAATGAGCATGAGGAAGTTGACAATCCAGAAGAAAAACCAAGAAGAAGAAAAAGAAAG



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AGGCTACAGATGACCAGGAGAACTCTGCTCATAGCAGAAGGACTCGAGAAGACCGAAAGTTGAAGCCAT
 CATGCATGCTTTTGAATCTTTAGAGAAGAGAAAAGAACCGCGGGATCAGCCTGTAGAACAGAGCAGCTCG
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 CCAAGTTGCTTCAGCCTCTGTCTCCAGTTACACCACCCCCACCCAGCTCAGGCTCAAAGAGTCCCCAGCT
 GACCACACCTGGCCAGACTCACCCAGGAGAAGAGGAGTGTGCAAAATGGATACAGCCTCATGTTCTACCA
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 AGTGGAGATGGTCTCAGACCTGCTGAGAAACTCAGACCAGGCGTTTAGGACAGAGTTCAATTTGATGT
 ACGCCTACTCCCTTTGAATGCTATGCCTCGAGCAGATGGACTGTATAGAGGGTCTCCCTGGTGGGAGA
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 GGCCTTATGAAAGACCTCTCTCGGGATCCATGTACCTGGTGGTGAAGGACCTGTGAAGGAGTCCCAT
 CTGCTCCTCAGAACCACCGCAAAGGAAAAAGGTATCCTTGTAGAGTACCGCAAAGAAAAACAAGAAGC
 TAAGGAGAATTCTGGTGGGGAAATGACTCTTCACAGAGCAAAGCAAGTCTTCAGGAGCTGGGCAAGGC
 AGCAGTAACTCTGTTTCTGACACCGGTGCCATGGTGTGCAGGGATCCTCAGCCGGAACCCCGTCATCCC
 CTCACAAAAAATTTCCCGTCTCATTCTCTGCATCGCATTGGAGGCGGTAAGCCCGTCAGATCCAG
 GGGCACTTCTTCTCTCACTGCAGACCTCAAGAAAACATCAGCAGTAGGTGGATGGTTCTACATCAGTT
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 AGCCTTCTCAACATGGGAGAGTAACATCACAGAGAAAGAGTCAGACCCTGCAGATGGAGAAGGCCCAGA
 GCCATTGAGCTCAGCACTCTCTAAAGGAGCAACTGTTTACAGCCCTTCCAGATATAGCTACCAGCTCCTG
 CAGTGTGACAGTCCACGGACAGAATCACAAAGCCTCCTTCAGCAGAGTTCGTCCCTTTAGAGGACATC
 CCACCAATCTCCAGGATACAGTTATCGAACTACTGCACTGAGACCTGGAAACCTCCCTCTCACGGTTC
 TTCAGAACTCTCCCTCTCTTCCACGTCTACCCAGCCCTGCCACCCCTGTGCTACAGACTCGTTGGCC
 CCATTTACGGGGACTCCAGGGTATTACAGCAGCCAGCCGATTCTGGAACAGCACTGGCAGCAATCTTC
 CAAGGAGGAGCTGTTCTCAAGTGTCTAGCCCTACCCACAGGGCCCTCAGACTCACCGACCTCAGA
 CTCGGTTTCTCAGTCCAGCACAGGAAGTCTGAGTCCACCTCCTTCTCAGAACTTAGGTCTTCATTC
 CCATCAGACTTACGGACTATCAGTCTGCCAATGCTGGGCAGTCAGCTGCCTACCAGGCTCCAGGGTAT
 CTGCGGTTTCCAATTCACAGCACTACCCACATCGTGGTAGTGGGGTGTACACCAGTACCGACTCCAGCC
 ACTGCAAGGGTCAAGACTCAGACAGGACTTTCCTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: BC083184
Insert Size: 4383 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:	<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>BC083184, AAH83184</u>
RefSeq Size:	6372 bp
RefSeq ORF:	4382 bp
Locus ID:	72895
Cytogenetics:	6 E3
Gene Summary:	Displays histone methyltransferase activity and monomethylates 'Lys-9' of histone H3 in vitro (PubMed:22939622). The physiological significance of this activity is unclear (Probable) (PubMed:22939622). Probable transcriptional regulator that acts via the formation of large multiprotein complexes that modify and/or remodel the chromatin. Acts as a regulator of histone acetylation during gene transcription (PubMed:27864380).[UniProtKB/Swiss-Prot Function]