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Product datasheet for MC224471

Setd5 (NM_028385) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Setd5 (NM_028385) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Setd5
Synonyms:	2900045N06Rik; C85544; C330007C20; mKIAA1757
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC224471 representing NM_028385 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGAGCATTGCAATCCCTCTGGGAGTCACCACACCAGATACTTCCTACTCAGATATGGCTGCTGGATCAG ACCCTGAATCTGTGGAGGCTAGTCCAGCAGTTAATGAGAAGAGCGTGTATTCCACTCATAATTATGGGAC CACTCAGAGGCATGGGTGTCGAGGACTGCCTTATGCTACGATCATCCCTCGTTCTGACCTGAATGGCCTG CCGTCGCCCGTAGAGGAACGCTGTGGAGACAGCCCGAACTCTGAAGGAGAGACTGTTCCTACCTGGTGTC CTTGTGGTCTTTCTCAGGATGGCTTCCTTCTCAACTGTGACAAGTGCAGGGGAATGAGCAGGGGGAAGGT TATTAGACTTCATCGGCGGAAGCAGGACAACATATCAGGTGGGGATAGCAGTGCAACAGAAAGCTGGGAT GAGGAGCTTTCTCCTTCCACTGTGTTGTACACAGCAACACAGCACACACCTACAAGCATCACCTTAACTG TTAGAAGAACCAAACCCAAGAAGCGGAAAAAGAGTCCAGAAAAGGGTCGTGCAGCACCAAAGACGAAGAA GATCAAGAATTCTCCCTCGGAAGCACAGAATTTAGATGAAAATACCACTGAGGGCTGGGAAAATCGGATA AGACTATGGACTGATCAATATGAAGAAGCTTTCACTAATCAGTACAGTGCAGATGTACAGAATGCCCTTG AGCAACATCTCCATTCTAACAAGGAATTTGTGGGCAAACCTGCAATTTTAGACACTATTAATAAAACTGA ACTGGCCTGTAATAATACAGTAATCGGTTCCCAAATGCAGTTACAGCTGGGAAGAGTCACTCGTGTTCAA AAGCACCGGAAAATCCTGAGGGCTGCAAGAGATTTGGCTTTGGACACTCTTATAATAGAATATCGTGGGA AAGTCATGTTACGACAACAATTTGAGGTCAATGGGCATTTCTTTAAAAAACCATATCCCTTTGTGCTCTT CTACTCAAAATTCAATGGTGTAGAGATGTGTGTCGATGCTCGTACTTTCGGTAATGATGCTCGGTTCATC AGAAGATCATGTACACCAAATGCAGAGGTGAGACACATGATTGCAGATGGGATGATTCACTTGTGTATCT ATGCCGTATCTGCTATCACCAAGGATGCAGAAGTCACCATTGCATTTGATTATGAATATAGTAACTGTAA TTACAAAGTGGACTGTGCTTGTCACAAGGGAAACCGGAATTGCCCTATACAGAAAAGAAATCCCAATGCT GCAGAATTGCCACTCCCACCTCCTCCTAGCTTTCCCACCATTGGAGCAGAGACCAGACGTAGAAAAGCAC GGCGGAAAGAGCTGGAGCTGGAGCAGCAAAATGAGGTTCCAGAAGAGAATCCTGACCCGCAACCACAAGA AGTTCCAGAAAAAGTAACTGTATCCAATGAGCATGAGGAAGTTGACAATCCAGAAGAAAAACCAGAAGAA GAAGAAAAAGAAGAGGCTACAGATGACCAGGAGAACTCTGCTCATAGCAGAAGGACTCGAGAAGACCGAA

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AGGTTGAAGCCATCATGCATGCTTTTGAATCTTTAGAGAAGAGAAAGAAACGGCGGGATCAGCCTGTAGA
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_028385

Insert Size: 4326 bp

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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:	NM_028385.1, NP_082661.1
RefSeq Size:	6470 bp
RefSeq ORF:	4326 bp
Locus ID:	72895
UniProt ID:	Q5XJV7
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] Transcript Variant: This variant (1) encodes the shorter isoform (1).

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