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Product datasheet for MC204141

Setd1b (NM_001040398) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Setd1b (NM_001040398) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Setd1b
Synonyms:	AA516740; BC035291; KMT2G; mKIAA1076
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC038367 GCCTTTGACGAATGGTGGGACAAGAAGGAGCGGATGGCCAAGGCCTCACTGACCCCCGTGAAGTCCGGTG AGCACAAGGACGAGGACAGGCCAAAGCCCAAAGACCGAATCGCCTCCTGTCTGCTGGAGTCGTGGGGCAA GGGTGAGGGCCTGGGTTACGAGGGCCTAGGCCTGGGCATTGGACTGCGGGGCGCCATTCGCTTGCCCTCC TTCAAGGTCAAGAGGAAGGAGCCACCGGACACAGCCTCTTCTGGTGACCAGAAGCGGCTACGGCCTTCAA CCTCTGTGGATGAGGAAGATGAAGAGTCAGAGCGGGAGCGGGACCGGGACATAGCTGATGCTCCCTGCGA ACTCACCAAGCGGGACCCCAAAAGCGTGGGTGTGCGACGCCGGCCAGGACGGCCCCTGGAGCTGGACAGC GGCGGGGAGGAGGATGAGAAGGAGTCCTTGTCAGCGTCCTCCTCTTCCTCAGCATCCTCATCCTCTGGAT CTTCTACCACCTCACCCTCATCCTCCGCCTCAGACAAGGAAGAGGAGGACCGAGAAAGCACCGAGGAGGA GGAGGAGGAAGAGGAGGAGGAAGCAGAGGAAGAGGAGGAGGAAGGCCCCAGGAGCCGCATATCCTCACCC TCATCCTCCTCAAGCTCCGACAAGGATGACGAAGATGACAACGAAGCCGACAGCGATGGCCAGATTGATT CAGACATCGACGATCAGGGTGCACCCCTGTCGGAGGCCAGCGAGAAAGACAATGGAGATTCTGAGGAGGA GGAGACAGAGAGCATCACCACCTCAAAGGCCCCAGCTGAGTCGTCCTCATCCTCCAGTGAAAGTTCTGGA TCTTCTGAGTTTGAATCCAGTTCCGAGTCCGAGTCTTCATCTTCATCCTCAGAGGACGAGGAGGAGATGA CCGTACCTGGGGTGGAGGAAGAAGAGGAGGAGGAGGAAGAGGAGGAGAAAGAGACTGCAATGGCTGCAGC CACGGTAGTGGCTATGGCAGAAGAGAGCATGCCTCCAGCGGGTGGCCAGGACTTTGAGCAGGACAGGGCA GAAGTGCCTCTGGGCCCACGAGGCCCCATGAGGGAGTCCTTGGGCACAGAGGAGGAAGTGGACATTGAGG CTGAGGACGAAGTCCCTGAGATGCAGGCTCCTGAGCTGGAGGAGCCTCCATTGCCCATGGGTGCTCGGAA GCTGGAAGGGAGCCCAGAGCCCCCAGAAGAGCCAGGCCCCAACACACAAGGGGACATGCTGCTCTCTCCA GAGCTCCCTGCCCGGGAGACGGAGGAGGCTCAACTCCCATCACCGCCTGAACATGGTCCAGAGTCAGACC TGGACATGGAGCCCGAGCCCCCTCCTATGCTCTCCTTGCCCTTGCAGCCGCCATTGCCGCCCCCTCGACT GCTCCGGCCACCCAGCCCACCGCCTGAGCCTGAGACCCCAGAGCCCCCCAAACCTCCCGTCCCCCTGGAG CCTCCCCCAGAAGACCACCCTCCACGTACCCCAGGCCTCTGTGGCAGTCTGGCCAAGTCACAGAGCACAG AGACAGTGCCAGCCACCCCAGGCGGGGAGCCCCCACTGTCAGGGAGCAGCAGTGGCCTGTCCCTGAGCTC CCCGCAGGTGCCTGGCAGCCCGTTCTCCTATCCATCCCCGTCCCCCGGCTTGAGCAGTGGGGGACTTCCA CGGACACCTGGTCGGGACTTCAGCTTCACACCTACTTTCCCTGAGCCCAGTGGACCCTTGCTTCTGCCTG TCTGTCCCCTCCCAACCGGTCGGCGAGATGAGCGTACCGGCCCCCTGGCCTCCCCAGTGCTCCTGGAAAC

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TGGCCTGCCCCTCCCACTTCCCCTGCCCCTGCCCTTACCTCTGGCATTGCCTGTCCCGGTTCTGAGGGCC
CAGCCTCGGCCACCTCCCCAGCTGCCTCCCCTACTGCCCGCTACCCTAGCTCCCTGCCCAACCCCCATCA
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CTCGTGTATAAAATCAAACTGAAGGGAAGAAAATTATTATTTTGGCGTTCCGAACCAATCCCTGTAGATA
GACTGCCATAACAGACTACTTTTTTCTTGGGAACTTTGTTTCTTGTAGAAACAAGTGGGAAGACTTTTTT
TTTCCTTCTCTCATTTCTTTGTACTTAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_001040398

Insert Size: 1284 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.
RefSeq:	BC038367, AAH38367
RefSeq Size:	4741 bp
RefSeq ORF:	1284 bp
Locus ID:	208043
UniProt ID:	Q8CFT2
Cytogenetics:	5 F
Gene Summary:	Histone methyltransferase that specifically methylates 'Lys-4' of histone H3, when part of the SET1 histone methyltransferase (HMT) complex, but not if the neighboring 'Lys-9' residue is already methylated. H3 'Lys-4' methylation represents a specific tag for epigenetic transcriptional activation. The non-overlapping localization with SETD1B suggests that SETD1A and SETD1B make non-redundant contributions to the epigenetic control of chromatin structure and gene expression (By similarity).[UniProtKB/Swiss-Prot Function]