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Product datasheet for MC224665

Dot1l (NM_199322) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dot1l (NM_199322) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dot1l
Synonyms:	A630076O07; AW907654; Dot1; KMT4; mDot1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>MC224665 representing NM_199322
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGCGAGAAGCTGGAGCTGAGGCTCAAGTCGCCTGTGGGCGCCGAGCCCGCCGTCTACCCGTGGCCGC
TGCCGGTCTACGACAAGCACCATGATGCTGCTCATGAGATTATTGAGACTATCCGGTGGGTCTGCGAGGA
AATCCCAGATCTCAAGCTGGCCATGGAGAACTATGTCCTGATCGACTACGACACCAAAAGTTTTGAAAGC
ATGCAGCGGCTGTGTGACAAATACAACCGGGCCATCGACAGCATCCACCAGCTGTGGAAGGGCACTACAC
AGCCCATGAAGCTGAATACTCGGCCGTCCAATGGACTTCTGCGGCACATCCTGCAGCAGGTATATAACCA
CTCTGTCACTGACCCGGAGAAGCTTAACAACTACGAGCCCTTCTCCCCTGAGGTGTATGGGGAGACCTCC
TTTGACCTGGTGGCCCAGATGATTGATGAGATCAAGATGACAGAGGATGACCTGTTTGTCGACCTGGGCA
GTGGTGTGGGGCAGGTTGTCCTTCAGGTTGCTGCGGCCACCAACTGCAAACATCACTACGGAGTGGAGAA
AGCGGACATCCCAGCCAAGTACGCAGAGACCATGGACCGAGAGTTCAGGAAGTGGATGAAATGGTATGGA
AAAAAGCATGCAGAATACACACTGGAACGAGGTGACTTCCTCTCAGAGGAATGGAGGGAACGGATCGCCA
ACACGAGTGTTATATTTGTGAATAACTTTGCCTTTGGTCCTGAGGTGGATCACCAGCTGAAGGAGCGATT
CGCAAACATGAAGGAAGGCGGCAGAATCGTATCCTCAAAGCCCTTTGCCCCTCTGAACTTCAGGATCAAC
AGCAGGAACTTGAGTGACATTGGCACCATCATGCGTGTGGTGGAGCTGTCGCCCCTGAAGGGCTCTGTGT
CGTGGACTGGCAAGCCTGTCTCCTACTATCTGCACACCATTGACCGCACCATACTTGAAAACTATTTTTC
TAGTCTGAAAAATCCAAAACTCAGGGAGGAGCAGGAGGCAGCTAGGCGAAGACAGCAGCGAGAGAACAAG
AGCAATGCGACCACGCCCACCAAAGTCCCTGAGAGCAAAGCAGCTGCCACTGAGGCCCCCGCGGATTCTG
GTGCTGAGGAAGAAAAATCAGGTGTGGCTACTGTCAAAAAGCCATCTCCCTCCAAAGCCCGGAAGAAGAA
ACTGAACAAGAAAGGGAGAAAGATGGCTGGCCGGAAACGTGGGCGGCCCAAGAAAATGAGTGCTGCCAGT
GCCGAACGCAAGTCTAAGAAGAGCCAAAGCACACTGGATCTCCTGCACTCTCCGCCCCCAGCCCCACCCT
CAGCCTCACCCCAGGATGCGTACAGGGCACCTCACAGCCCATTCTACCAGCTACCTCCAAGCACGCAGCT
GCACTCACCCAACCCACTGCTAGTGGCACCCACCCCACCTGCGCTGCAGAAGCTTTTAGAGTCCTTCAGA

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ATCCAGTACCTGCAGTTCCTGGCTTATACAAAGACCCCGCAGTACAAGGCTAACCTACAGCAGCTTCTGG
ACCAGGAGAAGGAGAAGAACACACAGCTCCTGGGCACAGCCCAGCAGCTCTTCGGCCATTGCCAGGCCCA
AAAGGAAGAAATCCGCAGGCTGTTCCAGCAGAAGCTGGATGAGTTGGGCGTGAAGGCGCTGACCTACAAT
GACCTGATTCAGGCCCAGAAGGAAATCTCTGCCCACAACCAGCAGCTGCGGGAACAGTCGGAACAGCTGG
AGAAGGACAACAGCGAGCTTCGGAGCCAGAGCCTGCGGCTGCTCAGGGCCCGGTGTGAGGAGCTGAGGCT
TGACTGGTCCACACTGTCCTTGGAGAACCTGCGGAAAGAGAAGCAGGCCCTGAGGAGCCAGATCTCAGAG
AAGCAGCGGCACTGCCTGGAGCTGCAGATCAGCATCGTGGAGCTCGAGAAGACCCAGCGCCAGCAGGAGC
TCCTGCAGTTAAAGTCCTGTGTACCACCAGATGATGCTTTGTCTTTGCATCTGCGTGGCAAGGGTGCCCT
GGGCCGAGAGCTGGAGGCTGATGCTGGGCGCTTACGCCTTGAGCTGGACTGTGCCAAGATCTCCCTGCCA
CACCTCAGCAGCATGAGCCCTGAGCTGTCCATGAACGGCCATGCTGCCAGCTATGAGCTCTGCAATGCAG
CTAGTCGGCCATCATCCAAGCAGAACACACCCCAGTACCTGGCCTCTCCCTTGGACCAGGAGGTCGTACC
TTGTACCCCTAGCCACAGTGGCCGGCCTCGGCTAGAAAAGCTGTCTGGCCTGGCTTTGCCTGATTACACC
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CTACCAGTGAGCCACACCCTCGGCCAGAGCACCCCAAGGAGAGCAGCCTTCCCTACCAGAGCCCTGGCTT
GTCCAACAGCATGAAGCTCAGCCCCCAGGATCCACCACTGGCCTCCCCGGCAACCTCGCCCCTCACCTCC
GAGAAAGGTAGTGAGAAGGGTGTGAAGGAGCGTGCCTACAGCAGCCACGGGGAGACCATCACCAGCCTAC
CTGTTAGCATTCCACTCAGCACAGTGCAGCCCAACAAGCTGCCGGTCAGCATCCCACTGGCCAGCGTGGT
GCTGCCCAGCCGTGCTGAGAGGGCGAGGAGCACTCCCAGCCCTGTGCCACAGCCCCGGGACTCTTCAGCC
ACACTTGAGAAGCAGACTGGTGCTTCTGCCCATGGTGCAGGGGGTGCTGGAGCAGGAAGCAGGAGCCTCG
CTGTGGCGCCCACAGGTTTCTATGCTGGTTCGGTGGCCATCAGTGGGGCCCTGGCCAGCAGCCCAGCACC
TCTGGCCTCTGGAATGGAATCTGCTGTTTTTGATGAATCCTCTGGCCCCAGCAGCCTCTTTGCCACCATG
GGGTCTCGCAGCACACCACCACAACACCCACCTCTCCTGTCGCAGTCCCGCAACTCGGGTCCTGCCTCTC
CTGCCCACCAACTCACAGCCAGTCCCCGCCTGAGTGTGACCACTCAGGGCTCGCTGCCAGACACCAGCAA
AGGGGAACTGCCTTCTGATCCTGCCTTCTCAGACCCAGAGAGCGAAGCAAAAAGGAGGATTGTGTTCAGC
ATTTCAGTTGGTGCCAGCTCCAAGCAGTCACCTTCCACCAGGCATAGCCCCTTGACTTCTGGCACCCGAG
GGGACTGTGTGCAGAGCCACGGACAGGACAGTCGTAAGCGCAGCAGAAGGAAGCGTGCATCAGCTGGAAC
ACCTAGCCTCAGCACGGGTGTGTCCCCCAAGCGCCGGGCTCTGCCAACTGTTGCTGGCCTCTTTACACAG
TCCTCGGGGTCTCCTCTTAATCTCAACTCCATGGTCAGCAACATCAACCAGCCACTGGAGATCACAGCCA
TCTCATCCCCTGAGAGCTCCCTGAAGAGCTCCCCCACCCCATACCAGGACCATGACCAGCCTCCGGTGCT
CAGGAAGGAACGGCCTCTAGGACTAACTAATGGGGCCCACTACTCGCCACTGACCTCAGATGAGGAGCCA
GGCTCTGAGGATGAGCCCAGCAGTGCCCGAATTGAGAGAAAAATTGCAACAATCTCTTTAGAAAGCAAAT
CTCCCCCGAAGACACTGGAAAATGGTGGTGGCTTGGTGGGAAGGAAGTCAGCCCCTTCGAGCGAGCCTAT
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CCGCTACAGGCTGGCTCTGCCCTGAGCCACAGCCCCCTGTTCTCTTTCCGGCCGTCCCTGGAGGAGCCTG
CTGCTGAGGCCAAGCTCCCCACTCACCCAAGGAAAAGCTTTGCGGGCTCTCTGGGTGCAGCCGAGGGGCC
AAGCCCTGGCACCAACCCTCCCAACGGCCTGGCCTTCAGTGGGGGCCTTGCTGCAGACCTCGGTTTACAC
AGCTTCAATGATGGTGCTTCCCTCTCCCACAAGGGCCCGGATGTGACTGGCCTGAGTGCCTCCCTGAGCT
TCCCATCCCAGAGGGGCAAGGACAGTACCACAGAGGCCAACCCTTTCCTCAGCAGGCGGCAGCCCGAGGG
CCTGGGTGGCTTGAAGGGTGAGGGCAACGCAAACAAGGAGTCAGGAGAGAGCCTGCCCCTGTGCGGGCCC
TCGGACAAGGCCTCACTGCCACATGGCAGCAGGGCCAGCAAAGGTCGTGACCGTGAGCTGGACTTCAAGG
GCGGCCACAACCTCTTCATCTCTGCTGCAGCCGTGCCTCCAGGTGGCCTCCTTGGTGGCCCTGGTCTTGT
AACTGTGGCTTCTTCTGCGGGCAGTGCAACACCCACTGCCCAGGCTCCCCGGCCTTTCCTGAGCACCTTT
GCCCCCGGGCCCCAGTTTACTCTGGGCCCCATGTCCCTGCAGGCCAACCTGGGCTCTGTGGCCGGCTCCT
CTGTGCTGCAGTCCTTGTTCAGCACTGTGCCAGCTGCTGCAGGCCTGGTGCATGTGTCGTCCACTGCGAC
CCGATTGACCAACTCACACACCATGGGCAGCTTCTCTTCTGGGGTGGCCGGCGGAACCGTTGGAGGTAAT
TAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_199322

Insert Size:	4623 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:	NM_199322.1, NP_955354.1
RefSeq Size:	5694 bp
RefSeq ORF:	4623 bp
Locus ID:	208266
Cytogenetics:	10 C1