

## Product datasheet for **RN210536**

### Dot1l (NM\_001108733) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Dot1l (NM_001108733) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Dot1l
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN210536 representing NM_001108733 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGCGAGAAGCTGGAGCTGAGGCTCAAGTCGCCTGTGGGCGGGAGCCCGCGTCTACCCGTGGCCG  
TGCCGGTCTACGTGAGTGTACTTGGGAGAACCCGGGGACAAGCACCATGATGCTGCTCATGAGATTAT  
CGAGACTATCCGATGGGCTGCGAGGAAATCCAGATCTCAAGCTGGCCATGGAGAATAATGCTCCTGATC  
GACTACGACACCAAAAGTTTTGAAAGCATGCAGAGGCTGTGTGACAAATAAACC GGCCATTGACAGCA  
TCCACCAGCTGTGGAAGGCACTACACAGCCCATGAAGCTCAATACTCGCCGCTCAATGGGCTCCTGCG  
GCACATCCTGCAGCAGGTGTACAACCACTCTGTGACCGACCCAGAGAAGCTCAACAACACTACGAGCCCTTC  
TCCCCGAGGTGTACGGGAGACCTCCTTTGACCTGGTGGCCAGATGATCGATGAGATCAAGATGACCG  
AGGATGACCTGTTGTAGACCTGGCAGTGGTGTGGGCGAGTTGTCTTCAGGTTGCGGCGGCCACCAA  
CTGCAAACATCACTACGGAGTGGAGAAAGCGGACATCCAGCCAAGTACGCGGAGACCATGGATCGAGAG  
TTCAGGAAGTGGATGAAATGGTATGAAAAAAGCATGCAGAATACACACTGGAGCGAGGTGACTTCTCT  
CAGAGGAGTGGAGGGAACGGATCGCCAACACGAGTGTATATTTGTGAATAACTTTGCCTTTGGTCTGA  
GGTGGATCACCAGCTGAAGGAACGATTGCAAAACATGAAGGAAGGCGGCAAGTATCGTATCCCTCAAAGCCC  
TTTGCCCTCTGAACTTCAGGATCAACAGCAGGAAGTGTAGTGACATTGGACCATCATGCGTGTGGTGG  
AGCTGTGCCCCCTGAAGGGCTCTGTGTCATGGACTGGCAAGCCTGTCTCCTACTACCTGCACACCATTGA  
CCGCACCACTATTGAAAACATTTTTCTAGTCTGAAAAATCCAAAACCTCAGGGAGGAGCAGGAGGCAGCT  
AGGCGCAGGCAGCAGCGAGAGAACAAGAGCAACGCGACCAACCCACCAAAGTCCCTGAGAGCAAGGCAG  
CTGCCACCGAGGCCCTCGGATTTCTGGTGTGAGGAAGAAAAATCAGGTGTGGCCACCGTCAAAAAGCA  
ATCTCCCTCCAAAGCCCCGAAGAAGAACTGAACAAGAAAGGGAGAAAAATGGCTGGCCGGAAGCGTGGG  
CGACCCAAGAAAATGAGTGTCTGCCAGTCCGAGTCGCAAGTCCAAGAAGAGCCAAAGCACAAGTGGATCTCC  
TGCACTCTCCGCCCCAGCCCCACCCTCAGCCTCACCCAGGATGCATACAGGGCCCCCACAGCCCGTT  
CTACCAGTACCTCCGAGCACGCGCTGCACTCGCCCCAGCCACTGCTAGTGGCTCCCACCCACCCGCG  
CTGCAGAAGCTGTTAGAGTCTTCAAGATCCAGTACCTGCAGTTCCTGGCCTACACGAAGACCCCGCAGT  
ACAAGGCCAACCTGCAGCAGTCTTGACCAGGAGAAGGAGAAGAACAACAACACTGCTGGGTACAGCCCA  
GCAGCTCTCAGCATTGCCAGGCACAAAAGGAAGAGATCCGCGAGGCTGTTCCAGCAGAAGCTGGATGAG



[View online »](#)

TTGGGCGTGAAGGCACTGACCTACAATGACCTGATTGAGGCCAGAAAGAAATCTCTGCCACAACCAGC  
 AGCTGCGGGAGCAGTCGGAACAGCTGGAGAAGGACAACAGCGAGCTTCGGAGCCAGAGCCTGCGGCTGCT  
 CAGGGCCCGGTGCGAAGAGCTGAGGCTTACTGGTCCACCTTGTCCCTGGAGAACCTGCGGAAAGAGAAG  
 CAGGCCCTGCGGAGCCAGATCTCAGAGAAGCAGCGGCACTGCCTAGAGCTGCAGATCAGCATCGTGGAGC  
 TGGAGAAGACCCAGCGCCAGCAGGAGCTCCTGCAGTTGAAGTCTGTGTGCCACCAGATGACGCTCTGTC  
 CCTGCACCTGCGTGGCAAGGGTGCCTGGGCCGCGAGCTGGAGTCTGACGCTGGCGCTTGCCTTGGAG  
 CTGGAGTGTCCAAGCTCTCCCTCCACACCTCAGCAGCATGAGCCCTGAGCTGTCCATGAATGGCCATG  
 CCGCCAGCTATGAGCTCTGCGGTGCAGCTAGTCGGCCCTCGTCCAAGCAGAACACCCCAAGTATCTGGC  
 CCCCCCTTGGACCAGGAGGTCGTGCCCTGCACCCCTAGCCACAGTGGCCGCGCTCGGCTGGAGAAGCTG  
 TCTGGCTGGCTTTCCTGACTACACCCGTTGTCAACGGCCAAGATTGTGTTGAGGCGGCACCTGAGCC  
 AGGACCACACCGGGGCCAGCAAAGCAGCTACTAGTGAGCCACACCCTCGGCCAGAGCATGCCAAGGAGAA  
 CAGCCTTCCCTACCAGAGCCCTGGCTTGTGAACAGCATGAAGCTCAGCCCCAGGATCCACCGTGGCC  
 TCCCCGGCAACCTCACCCCTCACTTCGAGAGGGGTAGTGAGAAGGGTGTAAAGGAGCGTGCCTACAGCA  
 GCCATGGGAGACCATCACAGCCTGCCTGTGAGCATTCCACTCAGCACAGTACAGCCCAACAAGCTGCC  
 TGTGAGCATCCCCTAGCCAGCGTGGTGTGCCAGCCGTGCCGAGAGGGCGAGGAGCAGCTCCAGCCCT  
 GTGCCCAAGCCTCGAGACTCCTCATCCACACTGAGAAGCAGATTGGTGTCTCCACCCATGGTGCAGGGG  
 GTGCTGCGGCAGGAAGCAGGAGCCTCACTGTGGCGCCACAGGTTTCTATGCTGGTTTCGGTGGCCATCAG  
 TGGGGCTCTGGCCAGCAGCCAGCACCTCTGGCCTCTGGAATGGAATCTGCTGTTTTGAGGAGTCTCT  
 GGCCCCAGCAGCCTTTTGGCACCATGGGGTCTCGCAGCACACCGCCACAACATCCACCTCTCTGCCGC  
 AGTCTCGCAACTCGGGCCCTGCCTCTCTGCCACCAGCTCGCAGCCAGTCCCGCCTGAGTGTGACCAC  
 CCAGGGCTCACTGCCAGACACCGCAAAGGGGAGCTGCCTGCTGATCCTGCCTTCTCAGACCCAGAGAGT  
 GAAGCTAAGAGGAGGATTGTGTTTCAAGCATTTCAGCTGGTCCAGCTCCAGGAGTGCCTTCCACAGGC  
 ACAGCCCCTTGCCTCTGGCACCCTGGGGATTGTGTTTCAAGAGCCATGGGCAGGACATGTGAGCGTAG  
 CAGAAGGAAGCGTGCATCAGCTGGAACGCCTAGCCTCACACGGGTGTGTCCCCAAGCGCCGAGCTCTG  
 CCAACCGTGCCTGGCTTTTACACAGTCTTCGGGGTGCCTCTCAATCTCACCTCCATGGTGCAGCAACA  
 TCAACCAGCCCCTGGAGATCACAGCCATCTCATCCCCGAGAGCTCACTGAAGAGCTCCCCACACCCTA  
 CCAGGACCATGACCAGCCTCCAGTGTCAAGGAGGAGCGCCCTGGGCCCAACTAATGGGGCCACTAC  
 TCTCCGCTGACGTGAGTGGAGCCAGGCTCGGAGGACGAGCCAGCAGTGCCTGAAATGAGAGAAAA  
 TTGCAACAATCTTTAGAAAGCAAATCTCCCCGAAGACTGGAAAATGGTGGTGGCTTGTGGGAAAG  
 GAAGCCGGTCCCCTCAGGCGAGCCTGTCAACAGCAGCAAATGGAAGTCCACCTTCTCACCATCTCCGAC  
 CTGGCTTGGCCAAGCCATGGACAGTCCGCTACAGGCCAGCTCTGCACTGAGCCACAGCCCCTCTTCT  
 CTTTCCGGCCCTTGGAGGAGCCTGTGCTGAGGCCAAGCCCTCCACCCACCCAAAGGAAAAGTTTGC  
 GGGCTCTCTGGCTGCAGCTGAGGGGCAAGCCCTGGCACCAACCCCTCCAAACAGCCTGGCCTTCACTGGG  
 GGCTTGTGTCAGACCTCGGTTTACATAGCTTCAATGACGGTGTCTCCCTCTCCCAAGGGCCCGGAGG  
 TGGCGGGCCTGAGCGCCTCCCTGAGCTTCCATCCCAGAGGGGCAAGGACAGTACCACAGAGGCCAACCC  
 CTTCTCAGCAGGCGGCAGCCGGAGGGCCTGGGTGGCTGAAGGGTGAGGGCAATGCAAGCAAGGAGTCA  
 GGAGAGAGCCTGCCCTGTGTGGCCCTCAGACAAGGTCTCACTGCCACACGGCAGCAGGGCCAGCAAAG  
 GCCGTGACCGGAGCTGGACTTCAAGGGCGGCCACAACCTTTCATCTCTGCTGCAGCCGTGCCTCCAGG  
 TGGCTCCTTGGTGGCCCTGGTCTTGAAGTGTGGCTTCTCTGCGGGCAGTGCACACCCCTCTGCCAG  
 GCTCCCCGGCCTTCTGAGCACCTTGGCCCTGGGCCCAAGTTTACTCTGGGCCCAATGTCCTGTCAGG  
 CCAACCTGGGCTCTGTGGCCGGCTCTCTGTGCTGCAGTCTTGTTCAGCACTGTGCCAGCTGCTGCAGG  
 CCTGGTGCATGTGTATCCACTGCAGCCGACTGACCAACTCACACCATGGGCAGCTTCTCTCTGGG  
 GTGGCCGGCGGAACCGTTGGAGTAATTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI  
 ACCN: NM\_001108733  
 Insert Size: 4650 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001108733.1, NP_001102203.1</u>
<b>RefSeq Size:</b>	6015 bp
<b>RefSeq ORF:</b>	4650 bp
<b>Locus ID:</b>	362831
<b>Cytogenetics:</b>	7q11