

Product datasheet for **MC200816**

Comt (NM_007744) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Comt (NM_007744) Mouse Untagged Clone
Tag: Tag Free
Symbol: Comt
Synonyms: Comt1; D16Wsu103e; D330014B15Rik
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC010402 sequence for NM_007744
 CCACGCGTCCGAGCGCTGCTGGGTCCACGCAGCGCCGCCACCATCGCCGCCACCATCGCCGCCATGGTC
 CGGGGACCTCAGGCGGTGAGGGCTGCCCTTCGCACTGCCTGAGCGTCCGCGCCTCGGGGTGAGACCTGTG
 CGCGGCCTTGACGAGATGCTGTTGGCTGCTGTCTCATTGGGTCTCCTGTTGCTGGCCTTCCTCCTGCTCC
 TGCACACCTAGGCTGGGGCTTGGTGGCTATTGTTGGTTTGGAGTTGTCGTCAGCAGCCGGTCCACAACCT
 GCTCATGGGTGGCACAAGGAGCAGCGCATCCTGCGCCATGTGCAGCAACACGCAAAGCCTGGAGACCCC
 CAGAGCGTCTGGAGGCCATTGATACCTACTGCTCAGAGAAGGAGTGGGCCATGAACGTGGGTGACGCAA
 AAGGCCAATCATGGATGCAGTGATTGGGAGTACAGGCCCTCGTGGTGTGGAGCTAGGAGCTTATTG
 TGGTACTCAGCCGTGCGAATGGCCCGCTGCTGCCACCTGGAGCCAGGCTTCTCACCATGGAGATTAAC
 CCTGACTACGCTGCCATACCCAGCAAATGCTGGACTTCGAGGCCTACAGGACAAAGTTTCCATCCTCA
 TCGGGGCATCCCAGGACCTTATCCCCAGCTGAAGAAGAAGTACGATGTGGACACATTAGACATGGTCTT
 TCTTGACCACTGGAAAGACCGCTACCTTCAGACACACTTCTCCTGGAGGAATGTGGCCTGCTGCGCAAG
 GGGACGGTGTCTTAGCTGACAATGTCATTGTCCCGGAACCCCTGACTTCTGGCGTATGTGAGGGGGA
 GCAGCAGCTTCGAGTGCACACACTACAGCTCATACCTGGAGTACATGAAAGTGGTGGACGGCTTGGAGAA
 GGCAGTACCAGGGTCCAGGCAGCAGCCCCGTGAAGTCTGACCACTCAGCCTGATGAGCTTCCGTCCT
 AGCTCCCTTCTGCACGATGACACACACTCACTGACCCCTCTATGCTTCTGGGGCCTTTCCTCAGGGC
 CTGTGGTCCAGATTGTCATACACTGGCACATTAAGGTAGTGAGCTCACCATGCAAACCACTACAATAC
 CCCTGGAAAACACCTGTGCATCAAAGGCTGCATTGAGGCCAGAGATGCAGTAGATCACAGTGCCTGCTG
 GCACGCAAAACCCCTCACGGTGAATCCTCTGCACCAAGAACAAGGGAGATTTAAAAAAAAAAAAAA AA

Restriction Sites: RsrII-NotI
ACCN: NM_007744
Insert Size: 798 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:	<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:	BC010402 , AAH10402
RefSeq Size:	1262 bp
RefSeq ORF:	798 bp
Locus ID:	12846
UniProt ID:	O88587
Cytogenetics:	16 11.4 cM
Gene Summary:	<p>Catalyzes the O-methylation, and thereby the inactivation, of catecholamine neurotransmitters and catechol hormones. Also shortens the biological half-lives of certain neuroactive drugs, like L-DOPA, alpha-methyl DOPA and isoproterenol.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1. Variants 1-3 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.</p>