

## Product datasheet for **RN205966**

### Comt (NM\_012531) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Comt (NM_012531) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Comt
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN205966 representing NM_012531 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCGTTGGCTGCAGTCTCATTGGGTCTCCTGTTGTTGGCCCTCCTCCTGCTCTTGCACACCTGGGCT  
GGGGCTTGGTGACTATTTCTGGTTTGAGTACGTGCTGCAGCCAGTCCACAACCTGATCATGGGTGACAC  
AAAGGAGCAGCGCATCCTGCGCTACGTGCAGCAGAATGCAAAGCCTGGAGACCCTCAGAGCGTCCTGGAG  
GCCATCGACACCTACTGCACACAGAAGGAATGGGCCATGAATGTGGGTGACGCGAAAGGCCAAATCATGG  
ATGCAAGTATTCGGGAGTACAGCCCTCCTGGTCTGGAGCTGGGAGCTTACTGTGGCTACTCAGCAGT  
GCGAATGGCTCGCTGCTGCAGCCTGGAGCCAGGCTTCTCACCATGGAGATGAACCCTGACTACGCTGCC  
ATCACCCAGCAAATGCTGAACCTTGCAGGCCTACAGGACAAAGTCACCATCCTCAATGGGGCATCCCAGG  
ATCTTATCCCCCAGCTGAAGAAGAAGTACGACGTGGACACACTAGACATGGTCTTTCTTGACCACTGGAA  
AGACCGCTACCTCCAGACACACTTCTCCTGGAGAAATGTGGCCTGCTGCGCAAGGGGACAGTGTCTTA  
GCTGACAAAGTATCGTCCCGGGAACCCCTGACTTCTGGCGTATGTGAGAGGGAGCAGCAGCTTCGAGT  
GCACACACTACAGCTCATACCTGGAGTACATGAAAGTTGTAGACGGCTTGGAGAAGGCAATCTACCAGGG  
TCCAAGTAGCCCTGACAAGTCT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_012531
Insert Size:	795 bp



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<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>	<a href="#">NM_012531.2</a> , <a href="#">NP_036663.1</a>
<b>RefSeq Size:</b>	1669 bp
<b>RefSeq ORF:</b>	795 bp
<b>Locus ID:</b>	24267
<b>UniProt ID:</b>	<a href="#">P22734</a>
<b>Cytogenetics:</b>	11q23
<b>Gene Summary:</b>	catalyzes the conversion of S-adenosyl-L-methionine and catechol to S-adenosyl-L-homocysteine and guaiacol [RGD, Feb 2006]