

## Product datasheet for **SC213429**

### COMT (NM\_001135161) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** COMT (NM\_001135161) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** COMT  
**Synonyms:** HEL-S-98n  
**ACCN:** NM\_001135161  
**Insert Size:** 1269 bp  
**Insert Sequence:** >SC213429 3'UTR clone of NM\_001135161  
 The sequence shown below is from the reference sequence of NM\_001135161. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AAGGGCCAGGCAGCGAAGCAGGGCCCTGACTGCCCCCGGCCCTCTCGGGCTCTCTACCCAGC
CTGGTACTGAAGGTGCCAGAGCTGCTCCTGCTGACCTTCTGCGGCTCCGGGTGTGTCTAAATGCAAA
GCACACCTCGGCCGAGGCTGCGCCCTGACATGCTAACCTCTCTGAACTGCAACTGGATTGTTCTTT
TTTAAGACTCAATCATGACTTCTTTACTAACACTGGCTAGCTATATTATCTTATACTAATATCATGT
TTTAAAAATATAAAATAGAAATTAAGAATCTAAATATTTAGATATAAAGTCTGACTTAGTACATCCTTCTC
AACTGCCATTCCCTGCTGCCCTTACTTGGGCACCAAACATTCAAAGTCCCCTTGACGGACGCTAAC
GCTAAGGGCGGGGCCCTAGCTGGCTGGGTTCTGGGTGGCAGCCTGGCCACTGGCCTCCAGCCACA
GTGGTGCAGAGGTCAGCCCTCCTGCAGCTAGGCCAGGGGCACCTGTTAGCCCATGGGGACGACTGCCG
GCCTGGGAAACGAAGAGGAGTCAGCCAGCATTACACCTTCTGACCAAGCAGGCCTGGGGACAGGTG
GACCCCGCAGCAGCACCAGCCCTCTGGGCCCATGTGGCACAGAGTGGAAGCATCTCCTCCCTACTC
CCCACTGGGCTTGTCTTACAGAAGAGGCAATGGCTCAGACCAGCTCCCGCATCCCTGTAGTTGCCTCCC
TGGCCCATGAGTGAGGATGCAGTCTGGTTTCTGCCACCTACACCTAGAGCTGTCCCATCTCCTCCA
AGGGGTGACAGTCTAGCCACCTCAGAGGCTCCAAGGGCCAGTCCCAGGCCAGGACAGGAATCAAC
CCTGTGCTAGCTGAGTTCACCTGCACCGAGACCAGCCCTAGCCAAGATTCTACTCCTGGGCTCAAGGC
CTGGCTAGCCCCAGCCAGCCACTCCTATGGATAGACAGACCAGTGAGCCCAAGTGGAAGTTTGGG
GCCACCCAGGGACAGAAACAGAGCCTCTGCAGGACACAGCAGATGGGCACCTGGGACCCTCCACCC
AGGGCCCTGCCCCAGACGCGCAGAGGCCGACACAAGGGAGAAGCCAGCCACTTGTGCCAGACCTGAGT
GGCAGAAAAGCAAAAAGTTCTTTTGTGCTTTAATTTTTAAATTTTCTTACAAAAATTTAGGTGTTTACC
AATAGTCTTATTTTGGCTTATTTTTAA
ACGCGTAAAGCGCCGCGCATCTAGATTGAAAGAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
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**Restriction Sites:** SgfI-MluI



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<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
<b>Components:</b>	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
<b>RefSeq:</b>	<u><a href="#">NM_001135161.2</a></u>
<b>Summary:</b>	Catechol-O-methyltransferase catalyzes the transfer of a methyl group from S-adenosylmethionine to catecholamines, including the neurotransmitters dopamine, epinephrine, and norepinephrine. This O-methylation results in one of the major degradative pathways of the catecholamine transmitters. In addition to its role in the metabolism of endogenous substances, COMT is important in the metabolism of catechol drugs used in the treatment of hypertension, asthma, and Parkinson disease. COMT is found in two forms in tissues, a soluble form (S-COMT) and a membrane-bound form (MB-COMT). The differences between S-COMT and MB-COMT reside within the N-termini. Several transcript variants are formed through the use of alternative translation initiation sites and promoters. [provided by RefSeq, Sep 2008]
<b>Locus ID:</b>	1312
<b>MW:</b>	46