

Product datasheet for **SC213426**

COMT (NM_000754) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: COMT (NM_000754) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: COMT
Synonyms: HEL-S-98n
ACCN: NM_000754
Insert Size: 1269 bp
Insert Sequence: >SC213426 3'UTR clone of NM_000754

The sequence shown below is from the reference sequence of NM_000754. 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
AAGGGCCAGGCAGCGAAGCAGGGCCTGACTGCCCCCCCGGCCCCCTCTCGGGCTCTCTACCCAGC
CTGGTACTGAAGGTGCCAGAGCTGCTCCTGCTGACCTTCTGCGGCTCCGGGCTGTGTCTAAATGCAAA
GCACACCTCGGCCGAGGCCTGCGCCCTGACATGCTAACCTCTCTGAACTGCAACTGGATTGTTCTTT
TTTAAGACTCAATCATGACTTCTTTACTAACACTGGCTAGCTATATTATCTTATATACTAATATCATGT
TTTAAAAATATAAAATAGAAATTAAGAATCTAAATATTTAGATATAAACTCGACTTAGTACATCCTTCTC
AACTGCCATTCCCTGCTGCCCTTGACTTGGGCACCAAACATTCAAAGCTCCCCTTGACGGACGCTAAC
GCTAAGGGCGGGGCCCTAGCTGGCTGGGTTCTGGGTGGCAGCCTGGCCACTGGCCTCCAGCCACA
GTGGTGCAGAGGTCAGCCCTCCTGCAGCTAGGCCAGGGGCACCTGTTAGCCCCATGGGGACGACTGCCG
GCCTGGGAAACGAAGAGGAGTCAGCCAGCATTACACCTTCTGACCAAGCAGGCCTGGGGACAGGTG
GACCCCGCAGCAGCACCAGCCCTCTGGGCCCATGTGGCACAGAGTGGAAGCATCTCCTCCCTACTC
CCCACTGGGCCTTGCTTACAGAAGAGGCAATGGCTCAGACCAGCTCCCGCATCCCTGTAGTTGCCTCCC
TGGCCCATGAGTGAGGATGCAGTCTGGTTTCTGCCACCTACACCTAGAGCTGTCCCCATCTCCTCCA
AGGGGTGACAGTCTAGCCACCTCAGAGGCTCAAAGGGCCAGTCCCAGGCCAGGACAGGAATCAAC
CCTGTGCTAGCTGAGTTCACCTGCACCGAGACCAGCCCTAGCCAAGATTCTACTCCTGGGCTCAAGGC
CTGGCTAGCCCCAGCCAGCCACTCCTATGGATAGACAGACCAGTGAGCCCAAGTGGAAGTTTGGG
GCCACCCAGGGACAGAAACAGAGCCTCTGCAGGACACAGCAGATGGGCACCTGGGACCCTCCACCC
AGGGCCCTGCCCCAGACGCGCAGAGGCCGACACAAGGGAGAAGCCAGCCACTTGTGCCAGACCTGAGT
GGCAGAAAGCAAAAAGTTCCTTTGCTGCTTTAATTTTTAAATTTCTTACAAAAATTTAGGTGTTTACC
AATAGTCTTATTTTGGCTTATTTTTAA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAAGAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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Restriction Sites: Sgfl-Mlul



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|------------------------|---|
| OTI Disclaimer: | 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). |
| Components: | 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. |
| RefSeq: | NM_000754.4 |
| Summary: | 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] |
| Locus ID: | 1312 |
| MW: | 46 |