

COMT recombinant protein

COMT, Active

CATALOG # AAA72975	HOST Sf9 insect cells using baculovirus	APPLICATIONS Methyltransferase Assay
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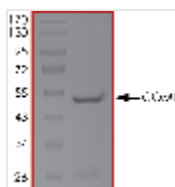
PRODUCT SYNONYMS

COMT; Active; COMT recombinant protein

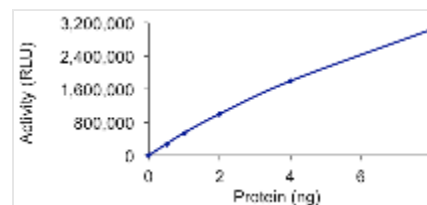
PRODUCT SPECIFICATIONS

Host	Sf9 insect cells using baculovirus
Form/Format	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Sequence Positions	27-271
Sequence Length	2304
Applicable Applications for COMT recombinant protein	Methyltransferase Assay
Species	Human
Tag	GST tag
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for COMT recombinant protein	Description: Recombinant human COMT (27-271) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. Scientific Background: Catechol O-methyltransferase (COMT) is a major catabolic regulator of synaptic catecholamine neurotransmitters and it catalyzes the transfer of a methyl group to catecholamines and degrades dopamine, norepinephrine and epinephrine. The two forms of COMT (soluble COMT [S-COMT] and membrane-bound COMT [MB-COMT]) encoded by a single gene located on 22q11.2 have been identified. Activation of COMT affects the biological half-lives of certain neuroactive drugs.
Product Categories/Family for COMT recombinant protein	Enzymes; Active Methyltransferases

References	1. Pivac N, et al: The association between catechol-O-methyl-transferase Val108/158Met polymorphism and suicide. Genes Brain Behav. 2011;10 (5):565 -9 2. Wardle MC, et al: Does COMT genotype influence the effects of d-amphetamine on executive functioning Genes Brain Behav. 2013;12 (1):13 -20. 3.http://www.uniprot.org/uniprot/P21964
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NCBI AND UNIPROT INFORMATION

NCBI GI #	205830449
NCBI GeneID	1312
NCBI Accession #	NM_000754.3
NCBI GenBank Nucleotide #	NM_000754
UniProt Accession #	P21964; Q6IB07; Q6ICE6; Q9BWC7; A8MPV9
Molecular Weight	53 kDa
NCBI Official Full Name	Homo sapiens catechol-O-methyltransferase (COMT), transcript variant 1, mRNA
NCBI Official Synonym Full Names	catechol-O-methyltransferase
NCBI Official Symbol	COMT
NCBI Official Synonym Symbols	HEL-S-98n
NCBI Protein Information	catechol O-methyltransferase
UniProt Protein Name	Catechol O-methyltransferase
UniProt Gene Name	COMT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/comt-recombinant-protein-sf9-insect-cells-using-baculovirus-methyltransferase-assay/72975>