

COMT 抗原（重组蛋白）

中文名称：COMT 抗原（重组蛋白）

英文名称：COMT Antigen (Recombinant Protein)

别名：catechol-O-methyltransferase; HEL-S-98n

储存：冷冻（-20℃）

相关类别：抗原

概述

Fusion protein corresponding to a region derived from 27-271 amino acids of human COMT

技术规格

Full name:	catechol-O-methyltransferase
Synonyms:	HEL-S-98n
Swissprot:	P21964
Gene Accession:	BC011935
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
Background:	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 diseases

e. 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.