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COMT, 51-271 aa, Human, Recombinant, E.coli

产品货号: TP01685

第三版

别名:Catechol-O-methyltransferase

描述:Catechol-O-methyltransferase (COMT) is an enzyme that catalyses the transfer of the methyl group of Sadenosylmethionine (SAM) into catechol substrates such as levodopa, dopamine, epinephrine, and norepinephrine in the presence of Mg²⁺. COMT appears to be located in the postsynaptic neuron and plays roles in the metabolism of catechol estrogens and the inactivation of catecholamine neurotransmitters through enzymatic degradation.

配方:Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM MgCl₂ 10% glycerol

分子量:24.4 kDa (221 aa), confirmed by MALDI-TOF

序列:

MGDTKEQRILNHVLQHAEPGNAQSVLEAIDTYCEQKEWAMNVGDKKGGKIVDAVIQEHQPSVLELGAYCGYS AVRMA
RLLSPGARLITIEINPDCAAITQRMVDFAGVKDKVTLVVGASQDIIPQLKKKYD VDTLDMVFLDHWKDRYLPDTLLLEECG
LLRKGTVLLADNVICPGAPDFLAHV RGSSCFECTHYQSFLEYREVVDGLEKAIYKGGPGSEAGP

纯度:> 95% by HPLC

浓度:1 mg/ml (determined by Bradford assay)

内毒素:<1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在-20 ° C或者-70 ° C. 避免反复冻融.