

Recombinant Human COMT

Catalog No: #GP12807



Package Size: #GP12807-1 100ug

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

Product Name	Recombinant Human COMT
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 27-271 amino acids of human COMT
Target Name	catechol-O-methyltransferase
Other Names	HEL-S-98n
Accession No.	Swissprot:P21964Gene Accession:BC011935
Uniprot	P21964
GeneID	1312;
Storage	-20~-80°C, pH 7.6 PBS

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 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.

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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