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# **COMT Protein (AA 51-271)**



Image



#### Overview

Quantity:	100 μg
Target:	COMT
Protein Characteristics:	AA 51-271
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Application:	SDS-PAGE (SDS)

#### **Product Details**

Characteristics:	COMT, 51-271 aa, Human, Recombinant, E.coli
Purity:	> 95 % by SDS - PAGE

## **Target Details**

Target:	COMT
Alternative Name:	COMT (COMT Products)
Background:	Catechol-O-methyltrasferase (COMT) is an enzyme that catalyses the transfer of the methyl
	group of S-adenosylmethionine (SAM) into catechol substrates such as levodopa, dopamine,
	epinephrine, and norepinephirine 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 though enzymatic degradation. COMT
	inhibitors prevent levodopa degradation, increase its availability and are used in the treatment

#### **Target Details**

	of patients with Parkinson's disease. Recombinant human COMT protein was expressed in
	E.coli and purified by using conventional chromatography techniques. Synonyms: Catechol-O-
	methyltransferase , Catechol-O-methyltransferase , COMT. NCBI no.: NP_000745
Molecular Weight:	24.4 kDa (221 aa), confirmed by MALDI-TOF.
Pathways:	Steroid Hormone Biosynthesis, SARS-CoV-2 Protein Interactome

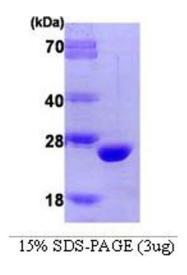
## **Application Details**

Restrictions: For Research Use only

#### Handling

Format:	Liquid
Concentration:	1 mg/ml (determined by Bradford assay)
Buffer:	Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM MgCl2, 10% glycerol
Storage:	4 °C

#### Images



#### SDS-PAGE

Image 1.