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## **COMT Protein (Transcript Variant 1) (Myc-DYKDDDDK Tag)**



Overview

**Image** 



Go to Product page

Quantity:	20 μg
Target:	COMT
Protein Characteristics:	Transcript Variant 1
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This COMT protein is labelled with Myc-DYKDDDDK Tag.

Antibody Production (AbP), Standard (STD)

#### **Product Details**

Characteristics:

Application:

	Produced with end-sequenced ORF clone
Purity:	> 80 % as determined by SDS-PAGE and Coomassie blue staining
Target Details	
Target:	COMT
Alternative Name:	Comt (COMT Products)
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

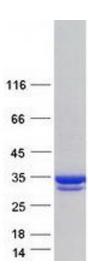
• Recombinant human COMT (transcript variant 1) protein expressed in HEK293 cells.

catecholamine transmitters. In addition to its role in the metabolism of endogenous

#### **Target Details**

Target Details	
	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.
Molecular Weight:	29.9 kDa
NCBI Accession:	NP_000745
Pathways:	Steroid Hormone Biosynthesis, SARS-CoV-2 Protein Interactome
Application Details	
Application Notes:	Recombinant human proteins can be used for:
	Native antigens for optimized antibody production
	Positive controls in ELISA and other antibody assays
Comment:	The tag is located at the C-terminal.
Restrictions:	For Research Use only
Handling	
Concentration:	50 μg/mL
Buffer:	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.
Storage:	-80 °C
Storage Comment:	Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze

immediately. Only 2-3 freeze thaw cycles are recommended.



### **Western Blotting**

Image 1. Validation with Western Blot