

Datasheet for ABIN1508104

COMT1 Protein (AA 1-364) (His tag)



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Overview

Quantity:	1 mg
Target:	COMT1
Protein Characteristics:	AA 1-364
Origin:	Zea mays
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This COMT1 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	<p>MGSTAGDVAA VVDEEACMYA MQLASSSILP MTLKNAIELG LLEVLQKEAG GGKAALAPEE</p> <p>VVARMPAAPS DPAAAAAMVD RMLRLLASYD VVRCQMEDRD GRYERRYSSA PVCKWLTPNE</p> <p>DGVSMALAL MNQDKVLMES WYYLKDAVLD GGIPFNKAYG MTAFEYHGTD ARFNRFVNEG</p> <p>MKNHSHVITK KLLDFYTGFE GVSTLVDVGG GVGATLHAIT SRHPHISGVN FDLPHVISEA</p> <p>PPFPGVRHVG GDMFASVPAG DAILMKWILH DWSDAHCATL LKNCYDALPE NGKVIVVECV</p> <p>LPVNTEATPK AQGVFHVDMI MLAHNPPGKE RYEREFRELA KGAGFSGFKA TYIYANAWAI EFIK</p>
Specificity:	Zea mays (Maize)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time.
Purity:	> 90 %

Target Details

Target:	COMT1
Alternative Name:	Caffeic acid 3-O-methyltransferase (COMT1 Products)
Background:	<p>Recommended name: Caffeic acid 3-O-methyltransferase.</p> <p>Short name= CAOMT.</p> <p>Short name= COMT.</p> <p>EC= 2.1.1.68.</p> <p>Alternative name(s): S-adenosyl-L-methionine:caffeic acid 3-O-methyltransferase</p>
UniProt:	Q06509

Application Details

Comment:	<p>The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modified such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.</p>
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Concentration:	0.2-2 mg/mL
Buffer:	Tris-based buffer, 50 % glycerol
Handling Advice:	Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week
Storage:	-20 °C
Storage Comment:	Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.