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Datasheet for ABIN1473961

## DDC Protein (AA 1-480) (His tag)

### Overview

Quantity:	1 mg
Target:	DDC
Protein Characteristics:	AA 1-480
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This DDC protein is labelled with His tag.
Application:	ELISA

### Product Details

Sequence:	<p>MDSREFRRRG KEMVDYIADY LDGIEGRPVY PDVEPGYLRA LIPTTAPQEP ETYEDIIRDI</p> <p>EKIIMPGVTH WHSPYFFAYF PTASSYPAML ADMLCGAIGC IGFSWAASPA CTELETVMMD</p> <p>WLGKMLELPE AFLAGRAGEG GGVIQGSASE ATLVALLAAR TKMIRQLQAA SPELTQAALM</p> <p>EKLVAITSDQ AHSSVERAGL IGGVKIKAIP SDGNYSMRAA ALREALERDK AAGLIPFFV</p> <p>VTLGTTSCCS FDNLLEV GPI CNQEGVWLHI DAAYAGSAFI CPEFRYLLNG VEFADSFNFN</p> <p>PHKWLLVNFD CSAMWVKKRT DLTEAFNMDP VYLRHSHQDS GLITDYRHWQ IPLGRRFRSL</p> <p>KMWFVFRMYG VKGLQAYIRK HVKLSHEFES LVRQDPRFEI CTEVILGLVC FRLKGSNQLN</p> <p>ETLLQRINSA KKIHLVPCRL RDKFVLRFAV CSRTVESAHV QLAWEHIRDL ASSVLRAEKE</p>
Specificity:	Rattus norvegicus (Rat)
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.

## Product Details

Purity: > 90 %

## Target Details

Target: DDC

Alternative Name: Aromatic-L-amino-acid decarboxylase (Ddc) ([DDC Products](#))

Background: Recommended name: Aromatic-L-amino-acid decarboxylase.  
Short name= AADC.  
EC= 4.1.1.28.  
Alternative name(s): DOPA decarboxylase.  
Short name= DDC

UniProt: [P14173](#)

Pathways: [Dopaminergic Neurogenesis](#)

## Application Details

Comment: 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.

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

## Handling

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Storage: -20 °C

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Storage Comment: Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.