

Datasheet for ABIN7547081
DDC Protein (AA 1-480) (His tag)



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Overview

Quantity:	1 mg
Target:	DDC
Protein Characteristics:	AA 1-480
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DDC protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant DDC Protein expressed in mammalian cells.
Sequence:	<p>MNASEFRRRG KEMVDYMAN Y MEGIEGRQVY PDVEPGYLRP LIPAAAPQEP DTFEDIINDV EKIIMPGVTH WHSPYFFAYF PTASSYPAML ADMLCGAIGC IGFSWAASPA CTELETVMMD WLGKMLELPK AFLNEKAGEG GGVIQGSASE ATLVALLAAR TKVIHRLQAA SPELTQAAIM EKLVA YSSDQ AHSSVERAGL IGGVKLKAIP SDGNFAMRAS ALQEALERDK AAGLIPFFMV ATLGTTTCCS FDNLLEVGPI CNKEDIWLHV DAAYAGSAFI CPEFRHLLNG VEFADSFNFN PHKWLLVNFD CSAMWVKKRT DLTGAFRLDP TYLKHSHQDS GLITDYRHWQ IPLGRRFRSL KMWFVFRMYG VKGLQAYIRK HVQLSHEFES LVRQDPRFEI CVEVILGLVC FRLKGSNKVN EALLQRINSA KKIHLVPCHL RDKFVLRFAI CSRTVESAHV QRAWHEHIKEL AADVLAERE Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different

Product Details

isoform, please contact us regarding an individual offer.

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:

> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade:

custom-made

Target Details

Target:

DDC

Alternative Name:

DDC ([DDC Products](#))

Background:

Aromatic-L-amino-acid decarboxylase (AADC) (EC 4.1.1.28) (DOPA decarboxylase) (DDC),FUNCTION: Catalyzes the decarboxylation of L-3,4-dihydroxyphenylalanine (DOPA) to dopamine and L-5-hydroxytryptophan to serotonin. {ECO:0000250|UniProtKB:P80041}.

Molecular Weight:

53.9 kDa

UniProt:

[P20711](#)

Pathways:

[Dopaminergic Neurogenesis](#)

Application Details

Application Notes:

We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Application Details

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months