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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

DDC (Human) Recombinant Protein (P01)

Catalog Number: H00001644-P01

Regulation Status: For research use only (RUO)

Product Description: Human DDC full-length ORF (AAH08366, 1 a.a. - 480 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MNASEFRRRGKEMVDYVANYMEGIEGRQVYDPVEPG
YLRPLIPAAAPQEPDTFEDIINDVEKIIMPGVTHWHSPY
FFAYFPTASSYPAMLADMLCGAIGCIGFSWAASPACTE
LETVMMDWLGKMLELPKAFLEKAGEGGGVIQGSAS
EATLVALLAARTKVIHRLQAASPELTQAAMEKLVAYSS
DQAHSSVERAGLIGGVKLKAIPSDGNFAMRASALQEA
LERDKAAGLIPFFMVATLGTTTCCSFDNLLEVGPICNK
EDIWLHVDAAYAGSAFICPEFRHLLNGVEFADSFNFP
HKWLLVNFDCSAMWVKKRTDLTGAFRLDPTYLKSHS
QDSGLITDYRHWQIPLGRRFRSLKMWFVFRMYGVKG
LQAYIRKHVQLSHEFESLVRQDPRFEICVEVILGLVCFR
LKGSNKVNEALLQRINSAKKIHLVPCHLRDKFVLRFAIC
SRTVESAHVQRAWEHKELAADVLAERE

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 78.43

Applications: AP, Array, ELISA, WB-Re

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 1644

Gene Symbol: DDC

Gene Alias: AADC

Gene Summary: The encoded protein catalyzes the decarboxylation of L-3,4-dihydroxyphenylalanine (DOPA) to dopamine, L-5-hydroxytryptophan to serotonin and L-tryptophan to tryptamine. Defects in this gene are the cause of aromatic L-amino-acid decarboxylase deficiency (AADCD). AADCD deficiency is an inborn error in neurotransmitter metabolism that leads to combined serotonin and catecholamine deficiency. Two transcript variants encoding the same protein have been identified for this gene. [provided by RefSeq]