

Recombinant Human DDC Protein, His-tagged

Cat. No. DDC-491H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DDC(Leu200~Asn420) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Leu200~Asn420
Description	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. Multiple alternatively spliced transcript variants encoding different isoforms have been identified for this gene.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	28.9kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	> 90%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	DDC dopa decarboxylase (aromatic L-amino acid decarboxylase) [Homo sapiens]
Official Symbol	DDC
Synonyms	DDC; dopa decarboxylase (aromatic L-amino acid decarboxylase); aromatic-L-amino-acid decarboxylase; AADC;
Gene ID	1644
mRNA Refseq	NM_000790
Protein Refseq	NP_000781
MIM	107930
UniProt ID	P20711

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