

Recombinant Mouse Ddc Protein, His-tagged

Cat. No. Ddc-1322M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Ddc Protein (Lys58-Thr320) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Lys58-Thr320
Description	Enables aromatic-L-amino-acid decarboxylase activity. Acts upstream of or within response to toxic substance. Located in cytoplasm. Is expressed in several structures, including alimentary system; heart; nervous system; respiratory system; and sensory organ. Used to study aromatic L-amino acid decarboxylase deficiency. Human ortholog(s) of this gene implicated in Parkinson's disease; aromatic L-amino acid decarboxylase deficiency; bipolar disorder; and inherited metabolic disorder. Orthologous to human DDC (dopa decarboxylase).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 32.2 kDa Accurate Molecular Mass: 32 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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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.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.
GENE INFORMATION	
Gene Name	Ddc dopa decarboxylase [Mus musculus (house mouse)]
Official Symbol	Ddc
Synonyms	DDC; dopa decarboxylase; aromatic-L-amino-acid decarboxylase; Aadc;
Gene ID	13195
mRNA Refseq	NM_001190448
Protein Refseq	NP_001177377
UniProt ID	O88533

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