

## Recombinant Mouse Ddc Protein, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Ddc Protein (Lys58-Thr320) with N-His tag was expressed in E. coli.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	Lys58-Thr320
<b>Description</b>	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).
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 32.2 kDa Accurate Molecular Mass: 32 kDa
<b>Purity</b>	> 90%
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.

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<b>Stability</b>	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.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
<b>Storage Buffer</b>	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
<b>Reconstitution</b>	Reconstitute in PBS or others.

## GENE INFORMATION

<b>Gene Name</b>	Ddc dopa decarboxylase [ Mus musculus (house mouse) ]
<b>Official Symbol</b>	Ddc
<b>Synonyms</b>	DDC; dopa decarboxylase; aromatic-L-amino-acid decarboxylase; Aadc;
<b>Gene ID</b>	13195
<b>mRNA Refseq</b>	NM_001190448
<b>Protein Refseq</b>	NP_001177377
<b>UniProt ID</b>	O88533

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