

## Recombinant Rat Ddc, His-tagged

**Cat. No.** Ddc-3638R    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Aromatic-L-amino-acid decarboxylase (Ddc)
<b>Species</b>	Rat
<b>Source</b>	E.Coli/Yeast
<b>ProteinLength</b>	480
<b>Description</b>	catalyzes the decarboxylation of L-5-hydroxytryptophan to serotonin and L-3,4-dihydroxyphenylalanine to dopamine .
<b>Form</b>	This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.
<b>Purity</b>	>90%
<b>Notes</b>	Small volumes of Ddc recombinant protein may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice.
<b>Storage</b>	Store at -20 degree C. For extended storage, store at -20 or -80 degree C.
<b>Storage Buffer</b>	PBS pH 7.4, 50% glycerol

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**Warning** This product is for research use only. Not for use in diagnostic or therapeutic procedures.

## GENE INFORMATION

**Gene Name** Ddc dopa decarboxylase (aromatic L-amino acid decarboxylase) [ *Rattus norvegicus* ]

**Official Symbol** Ddc

**Synonyms** DDC; dopa decarboxylase (aromatic L-amino acid decarboxylase); aromatic-L-amino-acid decarboxylase; AADC; L-Dopa decarboxylase; aromatic L-amino acid decarboxylase; MGC93628;

**Gene ID** [24311](#)

**mRNA Refseq** [NM\\_012545](#)

**Protein Refseq** [NP\\_036677](#)

**Pathway** Amine-derived hormones, organism-specific biosystem; Amphetamine addiction, organism-specific biosystem; Amphetamine addiction, conserved biosystem; Biogenic Amine Synthesis, organism-specific biosystem; Catecholamine biosynthesis, organism-specific biosy

**Function** amino acid binding; aromatic-L-amino-acid decarboxylase activity; aromatic-L-amino-acid decarboxylase activity; lyase activity; protein binding; protein domain specific binding; pyridoxal phosphate binding; pyridoxal phosphate binding;

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