

Recombinant Rat Ddc, His-tagged

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

SPECIFICATION

Product Overview	Aromatic-L-amino-acid decarboxylase (Ddc)
Species	Rat
Source	E.Coli/Yeast
ProteinLength	480
Description	catalyzes the decarboxylation of L-5-hydroxytryptophan to serotonin and L-3,4-dihydroxyphenylalanine to dopamine .
Form	This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.
Purity	>90%
Notes	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.
Storage	Store at -20 degree C. For extended storage, store at -20 or -80 degree C.
Storage Buffer	PBS pH 7.4, 50% glycerol

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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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