

Recombinant Mouse DDC Protein, His-tagged

Cat. No. DDC-915M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse DDC (O88533) (Met 1-Glu 480) was expressed, with a C-terminal polyhistidine tag.
Species	Mouse
Source	Insect Cells
Protein Length	1-480 a.a.
Predicted N Terminal	Met
Form	Lyophilized from sterile 50mM Tris, 100mM NaCl, pH 8.0, 20% gly, 3mM DTT1, 5%~8% trehalose and mannitol.
Molecular Mass	The recombinant mouse DDC consists of 490 amino acids and has a calculated molecular mass of 55.2 kDa. It migrates as an approximately 50 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>90 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be

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aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name Ddc dopa decarboxylase [*Mus musculus*]

Official Symbol DDC

Synonyms DDC; dopa decarboxylase; aromatic-L-amino-acid decarboxylase; Aadc;

Gene ID 13195

mRNA Refseq NM_001190448

Protein Refseq NP_001177377

MIM

UniProt ID

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; carboxy-lyase activity; catalytic activity; lyase activity; protein domain specific binding; pyridoxal phosphate binding;

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