

Active Recombinant Human DDC Full Length protein, His-tagged

Cat. No. DDC-284H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human DDC Full Length protein(NP_000781.1) (Met 1-Glu 480) was expressed in Insect Cells with a polyhistidine tag at the C-terminus.
Species	Human
Source	Insect Cells
ProteinLength	1-480 aa
Form	Lyophilized from sterile 50mM Tris, 100mM NaCl, pH 8, 10% glycerol.
Bio-activity	Measured by its ability to convert the substrate 3, 4-dihydroxy L-phenylalanine (L-Dopa) to 3, 4-dihydroxyphenylethylamine (dopamine). The dopamine product is measured by its absorbance at 340 nm after derivatization with trinitrobenzene sulfonic acid The specific activity is >1500 pmoles/min/μg.
Molecular Mass	The recombinant human DDC consists of 490 amino acids and predicts a molecular mass of 55 kDa. It migrates as an approximately 48 kDa protein in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μg protein as determined by the LAL method.
Purity	> 90 % as determined by SDS-PAGE

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Storage Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities 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 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name DDC dopa decarboxylase (aromatic L-amino acid decarboxylase) [Homo sapiens]

Official Symbol DDC

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

Gene ID 1644

mRNA Refseq NM_000790

Protein Refseq NP_000781

MIM 107930

UniProt ID P20711

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