

Dopa decarboxylase Recombinant Protein | DDC recombinant protein

Dopa decarboxylase, 1-480aa, Human, His tag, E Coli

CATALOG # AAA48489	HOST E Coli	APPLICATIONS SDS-Page
------------------------------	-----------------------	---------------------------------

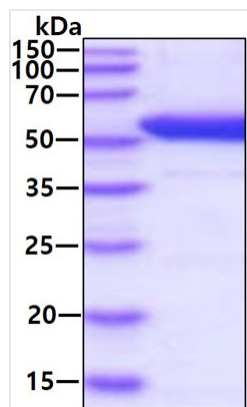
PRODUCT SYNONYMS

Dopa decarboxylase; 1-480aa; Human; His tag; E Coli; DDC; AADC; Aromatic L-amino acid decarboxylase; L-Dopa decarboxylase; Aromatic L Amino Acid Decarboxylase; DDC recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. In 20 mM Tris-HCl Buffer (pH 8.0) containing 2mM DTT, 10% glycerol.
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence Length	480
Applicable Applications for DDC recombinant protein	SDS-PAGE
Antigen Species	Human
Tag	His-tag
Domain	1-480aa
Endotoxin	< 1EU per 1 ug of protein (determined by LAL Method).
Preparation and Storage	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C or -80°C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

ADDITIONAL INFORMATION

Related Product Information for DDC recombinant protein	Dopa decarboxylase, also known as DDC, is a homodimeric, pyridoxal phosphate dependent enzyme. Dopa decarboxylase is a protein implicated in 2 metabolic pathways, synthesizing 2 important neurotransmitters: dopamine and serotonin which both play key roles in many clinical disorders, including Parkinson's disease. Dopa decarboxylase is found in different areas of the brain and is particularly abundant in basal ganglia. Recombinant human Dopa decarboxylase protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography.
Product Categories/Family for DDC recombinant protein	Neuroscience
References	Avgeris M., et al. (2008). Clin Biochem. 41 (14-15):1140-9.; Pons R., et al. (2004). Neruology. 62 (7):1058-65.;

NCBI AND UNIPROT INFORMATION

NCBI GI #	132814448
NCBI GeneID	1644
NCBI Accession #	NP_001076440.2
NCBI GenBank Nucleotide #	NM_001082971.1
UniProt Accession #	P20711; Q16723; Q5W5T9; Q75MJ6; C9IYA0; E7ER62; E7EU95
Molecular Weight	56.4 kDa (503aa), confirmed by MALDI-TOF.
NCBI Official Full Name	aromatic-L-amino-acid decarboxylase isoform 1
NCBI Official Synonym Full Names	dopa decarboxylase
NCBI Official Symbol	DDC
NCBI Official Synonym Symbols	AADC
NCBI Protein Information	aromatic-L-amino-acid decarboxylase
UniProt Protein Name	Aromatic-L-amino-acid decarboxylase
UniProt Gene Name	DDC
UniProt Synonym Gene Names	AADC; AADC; DDC

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.