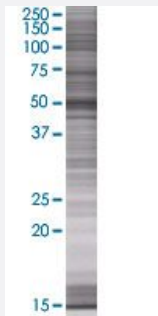


DDC 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00001644-T02

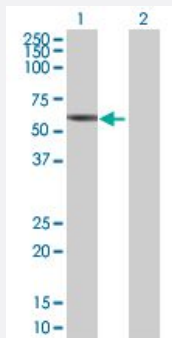
Size 100 uL

Applications



SDS-PAGE Gel

DDC transfected lysate.



Western Blot

Lane 1: DDC transfected lysate (52.91 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line 293T

Plasmid pCMV-DDC full-length

Host Human

Theoretical MW (kDa) 52.91

Quality Control Testing Transient overexpression cell lysate was tested with Anti-DDC antibody ([H00001644-B02](#)) by Western Blots.
SDS-PAGE Gel
DDC transfected lysate.
Western Blot
Lane 1: DDC transfected lysate (52.91 KDa)
Lane 2: Non-transfected lysate.

Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — DDC

Entrez GeneID	1644
GeneBank Accession#	NM_000790.2
Protein Accession#	NP_000781.1
Gene Name	DDC
Gene Alias	AADC
Gene Description	dopa decarboxylase (aromatic L-amino acid decarboxylase)
Omim ID	107930 608643
Gene Ontology	Hyperlink
Gene Summary	The encoded protein catalyzes the decarboxylation of L-3,4-dihydroxyphenylalanine (DOPA) to dopamine, L-5-hydroxytryptophan to serotonin and L-tryptophan to tryptamine. Defects in this gene are the cause of aromatic L-amino-acid decarboxylase deficiency (AADCD). AADCD deficiency is an inborn error in neurotransmitter metabolism that leads to combined serotonin and catecholamine deficiency. Two transcript variants encoding the same protein have been identified for this gene. [provided by RefSeq]
Other Designations	L-Dopa decarboxylase aromatic L-amino acid decarboxylase

Pathway

- [Betain biosynthesis](#)
- [Biosynthesis of alkaloids derived from shikimate pathway](#)
- [Histidine metabolism](#)

- [Isoquinoline alkaloid biosynthesis](#)
- [Metabolic pathways](#)
- [Phenylalanine metabolism](#)
- [Tryptophan metabolism](#)
- [Tyrosine metabolism](#)

Disease

- [Anorexia Nervosa](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Bipolar Disorder](#)
- [Bulimia](#)
- [Cardiovascular Diseases](#)
- [Cognition](#)
- [Depressive Disorder](#)
- [Diabetes Mellitus](#)
- [Disease Models](#)
- [Ductus Arteriosus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypercholesterolemia](#)
- [Infant](#)
- [Mental Disorders](#)
- [Migraine Disorders](#)
- [NARP](#)
- [Obesity](#)

- [Ovarian Failure](#)
- [Personality Assessment](#)
- [Polycystic Ovary Syndrome](#)
- [Psychiatric Status Rating Scales](#)
- [Psychological Tests](#)
- [Puberty](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Sensation](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)
- [Weight Gain](#)