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Datasheet for ABIN7320144 **DDC Protein (His tag)**

Image



Overview

Quantity:	100 µg
Target:	DDC
Origin:	Mouse
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DDC protein is labelled with His tag.

Product Details

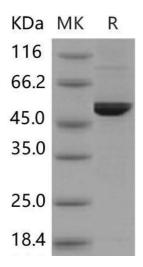
Purpose:	Recombinant Mouse DOPA Decarboxylase/DDC Protein (His Tag)
Sequence:	Met 1-Glu 480
Characteristics:	A DNA sequence encoding the mouse DDC (088533) (Met 1-Glu 480) was expressed,with a C- terminal polyhistidine tag.
Purity:	> 90 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per μ g of the protein as determined by the LAL method.

Target Details

Target:	DDC			
Alternative Name:	DOPA Decarboxylase/DDC (DDC Products)			
Background:	Background: Dopa Decarboxylase (DDC), also known as AADC and Aromatic-L-amino acid decarboxylase, is a 54 kDa member of the group II decarboxylase family of proteins.It is a			
	vitamin B6-dependent homodimeric enzyme that catalyzes the decarboxylation of both L-3,4-			

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	dihydroxyphenylalanine (L-DOPA) and L-5-hydroxytryptophan to dopamine and serotonin, respectively, which are major mammalian neurotransmitters and hormones belonging to catecholamines and indoleamines. Since L-DOPA is regularly used to treat the symptoms of Parkinson's disease, the catalytic pathway is of particular research interest. Defects of DDC are associated with severe developmental delay, oculogyric crises (OGC), as well as autosomal recessive disorder AADC deficiency, an early onset inborn error in neurotransmitter metabolism which can lead to catecholamine and serotonin deficiency. Synonym: Aadc		
Molecular Weight:	55.2 kDa		
UniProt:	088533		
Pathways:	Dopaminergic Neurogenesis		
Application Details			
Restrictions:	For Research Use only		
Handling			
Format:	Lyophilized		
Reconstitution:	Please refer to the printed manual for detailed information.		
Buffer:	Lyophilized from sterile 50 mM Tris, 100 mM NaCl, pH 8.0, 20 % glycerol, 3 mM DTT		
Storage:	4 °C,-20 °C,-80 °C		
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.		



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Image 1.

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