

Datasheet for ABIN7195448 **DBH Protein (His tag)**



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Overview

Quantity:	50 µg
Target:	DBH
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DBH protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human DBH/Dopamine beta-Hydroxylase Protein (His Tag)
Sequence:	Ser26-Gly603
Characteristics:	A DNA sequence encoding the human DBH (P09172) (Ser26-Gly603) was expressed with an N-terminal polyhistidine tag.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	DBH
Alternative Name:	DBH/Dopamine beta-Hydroxylase (DBH Products)
Background:	Background: DBH is a 290 kDa copper-containing oxygenase. It can be detected in noradrenergic nerve terminals of the central and peripheral nervous systems, and is also expressed in chromaffin cells of the adrenal medulla. DBH contains our identical subunits, and

Target Details

its activity requires ascorbate as a cofactor. It functions in in the synthesis of small-molecule neurotransmitters that is membrane-bound, making norepinephrine the only transmitter synthesized inside vesicles. DBH has been shown to be associated with decision making and addictive behaviors such as alcohol and smoking, attention deficit hyperactivity disorder, and also with neurological diseases such as Schizophrenia and Alzheimer's.

Synonym: DBM

Molecular Weight:	67.3 kDa
UniProt:	P09172
Pathways:	Carbohydrate Homeostasis

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.4
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.