

Product datasheet for AR51852PU-N

OriGene Technologies, Inc.

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Dopamine beta-hydroxylase (40-617, His-tag) Human Protein

Product data:

Product Type: Recombinant Proteins

Description: Dopamine beta-hydroxylase (40-617, His-tag) human recombinant protein, 0.25 mg

Species: Human
Expression Host: E. coli

Expression cDNA Clone

or AA Sequence:

MGSSHHHHHH SSGLVPRGSH MSAPRESPLP YHIPLDPEGS LELSWNVSYT QEAIHFQLLV RRLKAGVLFG MSDRGELENA DLVVLWTDGD TAYFADAWSD QKGQIHLDPQ QDYQLLQVQR

TPEGLTLLFK RPFGTCDPKD YLIEDGTVHL VYGILEEPFR SLEAINGSGL QMGLQRVQLL KPNIPEPELP

SDACTMEVQA PNIQIPSQET TYWCYIKELP KGFSRHHIIK YEPIVTKGNE ALVHHMEVFQ CAPEMDSVPH FSGPCDSKMK PDRLNYCRHV LAAWALGAKA FYYPEEAGLA FGGPGSSRYL

RLEVHYHNPL VIEGRNDSSG IRLYYTAKLR RFNAGIMELG LVYTPVMAIP PRETAFILTG YCTDKCTQLA

LPPSGIHIFA SQLHTHLTGR KVVTVLVRDG REWEIVNQDN HYSPHFQEIR MLKKVVSVHP GDVLITSCTY NTEDRELATV GGFGILEEMC VNYVHYYPQT QLELCKSAVD AGFLQKYFHL INRFNNEDVC TCPQASVSQQ FTSVPWNSFN RDVLKALYSF APISMHCNKS SAVRFQGEWN

LQPLPKVIST LEEPTPQCPT SQGRSPAGPT VVSIGGGKG

Tag: His-tag

Predicted MW: 67.2 kDa

Concentration: lot specific

Purity: >85% by SDS - PAGE

Buffer: Presentation State: Purified

State: Liquid purified protein

Buffer System: Liquid, In Phosphate buffered saline (pH 7.4) containing 10% glycerol, 1 mM

DTT

Preparation: Liquid purified protein

Protein Description: Recombinant human DBH, fused to His-tag at N-terminus, was expressed in E.coli and

purified by using conventional chromatography techniques.

Storage: Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

Avoid repeated freezing and thawing.

Stability: Shelf life: one year from despatch.

RefSeq: NP 000778



Dopamine beta-hydroxylase (40-617, His-tag) Human Protein - AR51852PU-N

Locus ID: 1621

 UniProt ID:
 P09172

 Cytogenetics:
 9q34.2

Synonyms: DBM; ORTHYP1

Summary: The protein encoded by this gene is an oxidoreductase belonging to the copper type II,

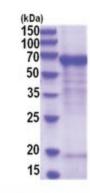
ascorbate-dependent monooxygenase family. The encoded protein, expressed in neuroscretory vesicles and chromaffin granules of the adrenal medulla, catalyzes the conversion of dopamine to norepinephrine, which functions as both a hormone and as the main neurotransmitter of the sympathetic nervous system. The enzyme encoded by this gene exists exists in both soluble and membrane-bound forms, depending on the absence or presence, respectively, of a signal peptide. Mutations in this gene cause dopamine betahydroxylate deficiency in human patients, characterized by deficits in autonomic and cardiovascular function, including hypotension and ptosis. Polymorphisms in this gene may

play a role in a variety of psychiatric disorders. [provided by RefSeq, Aug 2017]

Protein Families: Druggable Genome, Secreted Protein, Transmembrane

Protein Pathways: Metabolic pathways, Tyrosine metabolism

Product images:



15% SDS-PAGE (3ug)