

Datasheet for ABIN7547155  
**DBH Protein (AA 1-617) (His tag)**



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## Overview

Quantity:	1 mg
Target:	DBH
Protein Characteristics:	AA 1-617
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DBH protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant DBH Protein expressed in mammalian cells.
Sequence:	MPALSRWASL PGPSMREAAF MYSTAVAIFL VILVAALQGS APRESPLPYH IPLDPEGSLE LSWNVSYTQE AIHFQLLVRR LKAGVLFQMS DRGELENADL VVLWTDGDTA YFADAWSDQK GQIHLDPPQD YQLLQVQRTP EGLTLLFKRP FGTCDPKDYI IEDGTVHLVY GILEEPPFRSL EAINGSSLQM GLQRVQLLKP NIPEPELPSD ACTMEVQAPN IQIPSQETTY WCYIKELPKG FSRHHIIKYE PIVTKGNEAL VHHMEVFQCA PEMDSVPHFS GPCDSKMKPD RLNYCRHVLA AWALGAKAFY YPEEAGLAFG GPGSSRYLRL EVHYHNPLVI EGRNDSSGIR LYYTAKLRRF NAGIMELGLV YTPVMAIPPR ETAFILTYGC TDKCTQLALP PSGIHIFASQ LHTHLTGRKV VTVLVRDGRE WEIVNQDNHY SPHFQEIRML KKVSVVHPGD VLITSCTYNT EDRELATVGG FGILEEMCVN YVHYYPQTQL ELCKSAVDAG FLQKYFHLIN RFNNEVDVCTC PQASVSQQFT SVPWNSFNRD VLKALYSFAP ISMHCKSSA VRFQGEWNLQ PLPKVISTLE EPTPQCPTSQ GRSPAGPTVV SIGGGKG <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make</b>

## Product Details

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**another tag necessary. In case you have a special request, please contact us.**

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**Specificity:** If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

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**Characteristics:** **Key Benefits:**

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

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**Purity:** > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

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**Grade:** custom-made

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## Target Details

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**Target:** DBH

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**Alternative Name:** DBH ([DBH Products](#))

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**Background:** Dopamine beta-hydroxylase (EC 1.14.17.1) (Dopamine beta-monooxygenase) [Cleaved into: Soluble dopamine beta-hydroxylase],FUNCTION: Catalyzes the hydroxylation of dopamine to noradrenaline (also known as norepinephrine), and is thus vital for regulation of these neurotransmitters. {ECO:0000269|PubMed:27148966, ECO:0000269|PubMed:3443096, ECO:0000269|PubMed:7961964, ECO:0000269|PubMed:8546710}.

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**Molecular Weight:** 69.1 kDa

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**UniProt:** [P09172](#)

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**Pathways:** [Carbohydrate Homeostasis](#)

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## Application Details

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Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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