

Datasheet for ABIN7557817
DBH Protein (AA 1-622) (His tag)



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Overview

Quantity:	1 mg
Target:	DBH
Protein Characteristics:	AA 1-622
Origin:	Mouse
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:	<p>MQAHLSHQPC WSSLPSPSVR EAASMYGTAV AIFLVILVAA LRGSEPPESP FPYHIPLDPE GILELSWNVS YVQEIIHFQL QVQGLRAGVL FGMSDRGEME NADLIMLWTD GDRAYFADAW SDRKGQIHLD SQQDYQLLQA QRTRDGLSLL FKRPFVTCDP KDYVIEDDTV HLVYGILEEP FQSLEAINTS GLHTGLQRVQ LLKSEVPTPS MPEDVQTM DI RAPDILIPDN ETTYWCYITE LPPRFPRHHI IMYEIVTEG NEALVHHMEV FQCAAESEDF PQFNGPCDSK MKPDRLNYCR HVLAAWALGA KAFYYPKEAG VPFGGPGSSP FLRLEVHYHN PRKIQRQDS SGIRLHYTAT LRRYDAGIME LGLVYTPLMA IPPQETAFLV TGYCTDKCTQ MALQDSGIHI FASQLHTHLT GRKVVTVLAR DGQERKVVNR DNHYPSPHFQE IRMLKKVVTV YPGDVLITSC TYNTENKTLA TVGGFGILEE MCVNYVHYYP QTELELCKSA VDDGFLQKYF HMVNRFSSEE VCTCPQASVP QQFSSVPWNS FNRDMLKALY DYAPISMHCN KTSAVRFPGE WNLQPLPKIT STLEEPTPRC PIRQTQSPAN PTVPITTEAD AE Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein</p>

Product Details

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

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.

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.

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

Grade: custom-made

Target Details

Target: DBH

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

Background: Dopamine beta-hydroxylase (EC 1.14.17.1) (Dopamine beta-monoxygenase) [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:7715704}.

Molecular Weight: 70.3 kDa

UniProt: [Q64237](#)

Pathways: [Carbohydrate Homeostasis](#)

Application Details

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.

Restrictions: For Research Use only

Handling

Format: Liquid

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

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months