
Product Data Sheet

Product Name: DBH Human
 Cat. No.: GP21541
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	EC 1.14.17.1; DBM; DBH.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MSAPRESPLP YHIPLDPEGS LELSWNVSYT QEAIHFQLLV RRLKAGVLFV MSDRGELENA DLVVLWTDGD TAYFADAWSD QKGQIHLDPQ QDYQLLQVQR TPEGLTLLFK RPFGTCDPKD YLIEDGTVHL VYGILEEPFR SLEAINGSG LQMGLQRVQLL KPNIPPELP SDACTMEVQA PNIQIPSQET TYWCYIKELP KGFSRHIIK YEPIVTKGNE ALVHHMEVFQ CAPEMDSVPH FSGPCDSKMK PDRLNYCRHV LAAWALGAKA FYYPEEAGLA FGGPGSSRYL RLEVHYHNPL VIEGRNDSSG IRLYYTAKLR RFNAGIMELG LVYTPVMAIP PRETAFILTG YCTDKCTQLA LPPSGIHIFA SQLHTHLTGR KVVTVLVRDG REWEIVNQDN HYSPPHFQEIR MLKKVVSVHP GDVLITSCTY NTEDELATV GFGGILEEMC VNYVHYYPQT QLELCKSAVD AGFLQKYFHL INRFNNEVC TCPQASVSQQ FTSVPWNSFN RDVLKALYSF APISMHCNKS SAVRFQGEWN LQPLPKVIST LEEPTQCPT SQGRSPAGPT VVSIGGGKG		
Formulation	DBH protein solution (0.25mg/ml) containing Phosphate buffered saline (pH7.4), 10% glycerol and 1mM DTT.		

Introduction

DBH catalyzes the chemical reaction. DBH is an oxidoreductase which belongs to the copper type II, ascorbate-dependent monooxygenase family, in particular those performing on paired donors, with O₂ as oxidant and incorporation or reduction of oxygen. The oxygen incorporated can not be derived from O₂ with reduced ascorbate as one donor, as well as incorporation of one atom of oxygen into the other donor.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

DBH Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 599 amino acids (40-617 a.a) and having a molecular mass of 67.2kDa. DBH is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA