
Product Data Sheet

Product Name: UROD Human
 Cat. No.: GP22396
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	UPD; PCT; EC 4.1.1.37; URO-D; UROD; Uroporphyrinogen Decarboxylase.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MEANGLGPQG FPELKNDTFL RAAWGEETDY TPVWCMRQAG RYLPEFRETR AAQDFSTCR SPEACCELTL QPLRRFPLDA AIIFSDILVV PQALGMEVTM VPGKGPSFPE PLREEQDLER LRDPEVVASE LGYVFQAITL TRQRLAGRVP LIGFAGAPWT LMTYMVEGGG SSTMAQAKRW LYQRPQASHQ LLRILTDALV PYLVGQVVAG AQALQLFESH AGHLGPQLFN KFALPYIRDV AKQVKARLRE AGLAPVPMII FAKDGHFALE ELAQAGYEVV GLDWTVAPKK ARECVGKTVT LQVNLDPICAL YASEEEIGQL VKQMLDDFGP HRYIANLGHG LYPDMDPEHV GAFVDAVHKH SRLLRQN.		
Formulation	UROD Human solution containing 20mM Tris pH-8, 1mM DTT, 0.1M NaCl, 1mM EDTA & 20% glycerol.		

Introduction

UROD is the fifth enzyme in the human heme biosynthetic pathway and is in charge for the transfer of uroporphyrinogen to coproporphyrinogen through the deletion of four carboxymethyl side chains. UROD Mutations and deficiency result in 3 autosomal disorders in humans: familial porphyria cutanea tarda (f-PCT), sporadic porphyria cutanea tarda (s-PCT) and hepatoerythropoietic porphyria (HEP).

Stability

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

UROD Recombinant Human produced in E.Coli is a single, non-glycosylated polypeptide

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

chain containing 387 amino acids (1-367 a.a.) and having a molecular mass of 43 kDa. The UROD is fused to 20 amino acid His-Tag at N-terminus and 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