

## UROD Human

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

Catalog #:ENPS-543

For research use only.

**Synonyms:**UPD, PCT, EC 4.1.1.37, URO-D, UROD, Uroporphyrinogen Decarboxylase.

**Source:**Escherichia Coli.

**Physical Appearance:**Sterile filtered colorless solution.

**Amino Acid Sequence:**MGSSHHHHHH SSGLVPRGSH MEANGLGPQG FPELKNDTFL  
RAAWGEETDY TPVWCMRQAG RYLPEFRETR AAQDFSTCR SPEACCELTL QPLRRFPLDA  
AIIIFSDILVV PQALGMEVTM VPGKGPSFPE PLREEQDLER LRDPEVVASE LGYVFQAITL  
TRQRLAGRVP LIGFAGAPWT LMTYMVEGGG SSTMAQAKRW LYQRPQASHQ LLRILTDALV  
PYLVGQVVAG AQ

**Purity:**Greater than 95.0% as determined by SDS-PAGE.

**Formulation:**

UROD Human solution containing 20mM Tris pH-8, 1mM DTT, 0.1M NaCl, 1mM EDTA & 20% glycerol.

**Stability:**

UROD Human although stable at 4°C for 1 week, should be stored desiccated below -18°C.  
Please prevent freeze thaw cycles.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**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).

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