

## 32-7251: Recombinant Human Uroporphyrinogen Decarboxylase/UROD (N-6His)

**Gene :** UROD  
**Gene ID :** 7389  
**Uniprot ID :** P06132

### Description

Source: E.coli.  
MW :43kD.

Recombinant Human Uroporphyrinogen Decarboxylase is produced by our E.coli expression system and the target gene encoding Met1-Asn367 is expressed with a 6His tag at the N-terminus. Uroporphyrinogen decarboxylase (UROD), is an enzyme of the heme biosynthetic pathway which belongs to the uroporphyrinogen decarboxylase family. This enzyme is responsible for catalyzing the conversion of uroporphyrinogen to coproporphyrinogen through the removal of four carboxymethyl side chains. UROD is a homodimeric enzyme that catalyzes the fifth step in heme biosynthesis: the elimination of carboxyl groups from the four acetate side chains of uroporphyrinogen III to yield coproporphyrinogen III. Defects in UROD are the cause of familial porphyria cutanea tarda (FPCT) and hepatoerythropoietic porphyria (HEP).

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 100mM NaCl, 1mM DTT, 1mM EDTA, pH 8.0.  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** MGSSHHHHHHSSGLVPRGSHMEANGLGPQGFPELKNDFLRAAWGEETDYTPVWCMRQAGRYLPEFRETRA  
AQDFFSTCRSPEACCELTLQPLRRFPLDAAIIFSDILVVPQALGMEVTMVPKGKPSFPEPLREEQDLERLRDPEVV  
ASELGYVVFQAITLRQRLAGRVPLIGFAGAPWTLMTYMEVGGSSSTMAQAKRWLYQRPQASHQLLRILDALV  
PYLVGQVVAGAALQLFESHAGHLGPQLFNKFALPYIRDVAKQVKARLREAGLAPVPMIIFAKDGHFALEELAQ  
AGYEVVGLDWTVAPKKARECVGKTVTLQVNLDPICALYASEEEIGQLVKQMLDDFGPHRYIANLGHGLYPDMDP  
EHVGAFVDAVHKHSRLLRQN

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.