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Datasheet for ABIN7319163 UROD Protein (His tag)

Overview

Quantity:	50 µg
Target:	UROD
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This UROD protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human UROD Protein (His Tag)
Sequence:	Met 1-Asn367
Characteristics:	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.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	UROD
Alternative Name:	UROD (UROD Products)
Background:	Background: Uroporphyrinogen decarboxylase (UROD), is an enzyme of the heme biosynthetic pathway which belongs to the uroporphyrinogen decarboxylase family. This enzyme is

Target Details

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).
Synonym: Uroporphyrinogen Decarboxylase, UPD, URO-D, UROD

Molecular Weight: 43.0 kDa

UniProt: [P06132](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Frozen, Liquid

Buffer: Supplied as a 0.2 µm filtered solution of 20 mM TrisHCl, 100 mM NaCl, 1 mM DTT, 1 mM EDTA, pH 8.0.

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.