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## Datasheet for ABIN7319164 UROS Protein (His tag)

### Overview

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

### Product Details

Purpose:	Recombinant Human UROS/UROIIIIS Protein (His Tag)
Sequence:	Met 1-Cys265
Characteristics:	Recombinant Human Uroporphyrinogen-III Synthase is produced by our E.coli expression system and the target gene encoding Met1-Cys265 is expressed with a 6His tag at the C-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:	UROS
Alternative Name:	UROS/UROIIIIS ( <a href="#">UROS Products</a> )
Background:	Background: Uroporphyrinogen-III Synthase is an enzyme which belongs to the uroporphyrinogen-III synthase family. Uroporphyrinogen-III Synthase is ubiquitous and it is

## Target Details

involved in Porphyrin metabolism. Porphyrins act as cofactors for a multitude of enzymes that perform a variety of processes within the cell such as Methionine synthesis (Vitamin B12) or oxygen transport (Heme). Uroporphyrinogen-III Synthase can catalyze cyclization of the linear Tetrapyrrole, Hydroxymethylbilane, to the Macrocyclic Uroporphyrinogen III, the branch point for the various sub-pathways leading to the wide diversity of Porphyrins. Defects in Uroporphyrinogen-III Synthase are the cause of Congenital Erythropoietic Porphyria (CEP).  
Synonym: Uroporphyrinogen-III Synthase, UROIIIIS, UROS, Hydroxymethylbilane Hydrolyase [Cyclizing], Uroporphyrinogen-III Cosynthase, UROS

Molecular Weight: 29.7 kDa

UniProt: [P10746](#)

## 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, 10 % Glycerol, pH 8.0.

Storage: -20 °C

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