

Recombinant Human Uroporphyrinogen-III Synthase/UROIII S Protein(C-6His)

Cat.NO.: TP05910

3th Edition

Synonyms:Uroporphyrinogen-III Synthase; UROIII S; UROS; Hydroxymethylbilane Hydrolyase [Cyclizing]; Uroporphyrinogen-III Cosynthase; UROS

Description:Uroporphyrinogen-III Synthase is an enzyme which belongs to the uroporphyrinogen-III synthase family. Uroporphyrinogen-III Synthase is ubiquitous and it is 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).

Form:PBS

Molecular Weight:29.7 kDa

Sequences:Met 1-Cys265

Purity:> 95% by HPLC

Concentration:

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.