
Product Data Sheet

Product Name: UROS Human
 Cat. No.: GP22399
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Uroporphyrinogen-III synthase; UROIII; UROS; Hydroxymethylbilane hydrolyase [cyclizing]; Uroporphyrinogen-III cosynthase.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MKVLLKDAK EDDCGQDPYI RELGLYGLEA TLIPVLSFEF LSLPSFSEKL SHPEDYGGI FTSPRAVEAA ELCLEQNNKT EVWERSLKEK WNAKSVYVVG NATASLVSKI GLDTEGETCG NAEKLAEYIC SRESSALPLL FPCGNLKREI LPKALKDKGI AMESITVYQT VAHPGIQGNL NSYYSQQGVP ASITFFSPSG LTYSLKHIQE LSGDNIDQIK FAAIGPTTAR ALAAQGLPVS CTAESPTPQA LATGIRKALQ PHGCC.		
Formulation	UROS protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 10% glycerol and 0.1M NaCl.		

Introduction

Uroporphyrinogen III synthase (UROS) is an enzyme involved in the 4th step of porphyrin metabolism and in the conversion of hydroxymethyl bilane into uroporphyrinogen III. Defects in the UROS protein can cause molecular lesions which lead to the autosomal recessive Gunther disease, otherwise known as congenital erythropoietic porphyria (CEP).

Stability

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

Background

UROS produced in E.Coli is a single, non-glycosylated polypeptide chain containing 285 amino acids (1-265 a.a.) and having a molecular mass of 30.7kDa.UROS is fused to a 20

Caution: Product has not been fully validated for medical applications. For research use only.

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amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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