

UROS Human

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

Catalog #: ENPS-147

Synonyms: Uroporphyrinogen-III synthase, UROIII, UROS, Hydroxymethylbilane hydrolyase [cyclizing], Uroporphyrinogen-III cosynthase.

For research use only.

Source: Escherichia Coli.

Physical Appearance: Sterile filtered colorless solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MKVLLKDAK EDDCGQDPYI
RELGLYGLEA TLIPVLSFEF LSLPSFSEKL SHPEDYGGLI FTSPRAVEAA ELCLEQNNKT
EVWERSLKEK WNAKSVYVVG NATASLVSKI GLDTEGETCG NAEKLAEIC SRESSALPLL
FPCGNLKREI LPKALKDKGI AMESITVYQT VAHPGIQGNL NSYYSQQGVP ASITFFSPSG
LTYSCLKHIQE LS

Purity: Greater than 95.0% as determined by SDS-PAGE.

Formulation:

UROS protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 10% glycerol and 0.1M NaCl.

Stability:

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

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. They may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

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).

To place an order, please [Click HERE](#).