
Product Data Sheet

Product Name: ENO3 Human

Cat. No.: GP21602

Batch No.: 1

Product Data

Purity >98%

Source E.coli.

Physical
Appearance

solid

Shipping
Condition Shipped with Ice Packs.

Synonyms

Enolase 3 (beta; muscle); Muscle-specific enolase; Skeletal muscle enolase; MSE; 2-phospho-D-glycerate hydrolyase; beta-enolase; GSD13; EC 4.2.1.11; EC 4.2.1.

Amino Acid
Sequence

MGSSHHHHHH SGLVPRGSH MAMQKIFARE ILDSRGNPTV EVDLHTAKGR
 FRAAVPSGAS TGIYEALRLR DGDKGRYLGK GVLKAVENIN STLGPALLQK
 KLSVADQEKV DKFMIELDGT ENKSKFGANA ILGVSLAVCK AGAAEKGVPL
 YRHIADLAGN PDLILPVPAF NVINGGSHAG NKLAMQEFMI LPVGASSFKE
 AMRIGAEVYH HLKGVKAKY GKDATNVGDE GGFAPNILEN NEALELLKTA
 IQAAGYDPKV VIGMDVAASE FYRNGKYDLD FKSPDDPARH ITGEKLGELY
 KSFIGNYPVV SIEDPFDQDD WATWTSFLSG VNIQIVGDDL TVTNPKRIAQ
 AVEKKACNCL LLKVNQIGSV TESIQAACKLA QSNGWGVMSV HRSGETEDTF
 IADLVVGLCT GQIKTGAPCR SERLAKYNQL MRIEEALGDK AIFAGRKFRN PKAK.

Formulation

The ENO3 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 0.1M NaCl and 20% glycerol.

Introduction

ENO3 is one of three enolase isoenzymes in mammals. The homodimer ENO3 is located in skeletal muscle cells of adults and has a part in converting phosphoglyceric acid to phosphoenolpyruvic acid in the glycolytic pathway. Mutations in ENO3 gene is linked to metabolic myopathies which is caused by low stability of the enzyme.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

Background

ENO3 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 454 amino acids (1-434) and having a molecular mass of 49.0 kDa. ENO3 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA