

ENO3 Human

Description: 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.

Catalog #: ENPS-190

For research use only.

Synonyms: Neuron Specific Enolase 3 (beta, muscle), Muscle-specific Neuron Specific Enolase, Skeletal muscle Neuron Specific Enolase, MSE, 2-phospho-D-glycerate hydrolyase, beta-Neuron Specific Enolase, GSD13, EC 4.2.1.11, EC 4.2.1.

Source: E.coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MAMQKIFARE ILDSRGNPTV
EVDLHTAKGR FRAAVPSGAS TGIYEALRLR DGDKGRLGK GVLKAVENIN STLGPALLQK
KLSVADQEKV DKFMIELDGT ENKSKFGANA ILGVSLAVCK AGAAEKGVPL YRHIADLAGN
PDLILPVPAF NVINGGSHAG NKLAMQEFMI LPVGASSFKE AMRIGAEVYH HLKGVKAKY
GKDATNVGDE GG

Purity: Greater than 95% as determined by SDS-PAGE.

Formulation:

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

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.

Usage:

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

Introduction:

ENO3 is one of three Neuron Specific 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.

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