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32-2309: ENO3 Recombinant Protein

Alternative Name : 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.

Description

Source : E.coli. 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. 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 phosphenolpyruvic acid in the glycolytic pathway. Mutations in ENO3 gene is linked to metabolic myopathies which is caused by low stability of the enzyme.

Product Info

Amount :	10 µg
Purification :	Greater than 95% as determined by SDS-PAGE.
Content :	The ENO3 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 0.1M NaCl and 20% glycerol.
Storage condition :	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.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MAMQKIFARE ILDSRGNPTV EVDLHTAKGR FRAAVPSGAS TGIYEALELR DGDKGRYLGK GVLKAVENIN STLGPALLQK KLSVADQEKV DKFMIELDGT ENKSKFGANA ILGVSLAVCK AGAAEKGVPL YRHIADLAGN PDLILPVPAF NVINGGSHAG NKLAMQEFMI LPVGASSFKE AMRIGAEVYH HLKGVIKAKY GKDATNVGDE GGFAPNILEN NEALELLKTA IQAAGYPDKV VIGMDVAASE FYRNGKYDLD FKSPDDPARH ITGEKLGELY KSFIKNYPVV SIEDPFDQDD WATWTSFLSG VNIQIVGDDL TVTNPKRIAQ AVEKKACNCL LLKVNQIGSV TESIQACKLA QSNGWGVMVS HRSGETEDTF IADLVVGLCT GQIKTGAPCR SERLAKYNQL MRIEEALGDK AIFAGRKFRN PKAK.

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