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BDH2 Human

Catalog #:ENPS-067

For research use only.

Description:BDH2 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 265 amino acids (1-245a.a.) and having a molecular mass of 28.8kDa.BDH2 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Synonyms:3-hydroxybutyrate dehydrogenase type 2, FLJ13261, PRO20933, SDR15C1, UCPA-OR, UNQ6308, dehydrogenase/reductase (SDR family) member 6, Oxidoreductase UCPA, DHRS6, R-beta-hydroxybutyrate dehydrogenase, EFA6R, EC 1.1.1.30.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered clear solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MGRLDGKVII LTAAAQGIGQ AAALAFAREG AKVIATDINE SKLQELEKYP GIQTRVLDVT KKKQIDQFAN EVERLDVLFN VAGFVHHGTV LDCEEKDWDF SMNLNVRSMY LMIKAFLPKM LAQKSGNIIN MSSVASSVKG VVNRCVYSTT KAAVIGLTKS VAADFIQQGI RCNCVCPGTV DTPSLQERIQ ARGNPEEARN DFLKRQKTGR FA

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

Formulation:
The BDH2 protein solution (1mg/1ml) is formulated in 20mM Tris-HCl buffer (pH8.0) 0.1M NaCl and 10% glycerol.

Usage:
NeoBiolabs products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drμgs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:
BDH2 is a member of the short-chain dehydrogenases/reductases (SDR) family. BDH2 protein has a significant part in the peripheral utilization of 3-hydroxybutyrate. BDH2 can convert high levels of circulating 3-hydroxybutyrate into acetoacetate due to cytoplasmic localization in high ratio of oxidized NAD+, the NAD+ dependence and the kinetic parameters.

Storage:
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time.Please avoid freeze thaw cycles.

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