

## 32-2182: BDH2 Recombinant Protein

**Alternative Name :** 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.

### Description

Source : Escherichia Coli. 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. 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<sup>+</sup>, the NAD<sup>+</sup> dependence and the kinetic parameters.

### Product Info

**Amount :** 20 µg  
**Purification :** Greater than 95% as determined by SDS-PAGE.  
**Content :** The BDH2 protein solution (1mg/1ml) is formulated in 20mM Tris-HCl buffer (pH8.0) 0.1M NaCl and 10% 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. Please avoid freeze thaw cycles.  
**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MGRLDGKVII LTAAQIGIQ AAALAFAREG AKVIATDINE SKLQELEKYP GIQTRVLDVT KKKQIDQFAN EVERLDVLFN VAGFVHHGTV LDCEEKDWDF SMNLNVRSMY LMIKAFLPKM LAQKSGNIIN MSSVASSVKG VVNRCVYSTT KAAVIGLTKS VAADFIQQGI RCNCVCPGTV DTPSLQERIQ ARGNPPEARN DFLKRQKTGR FATAEEIAML CVYLASDESA YVTGNPVIID GGWSL

