

BDH2, 1-245aa, Human, His tag, E.coli

Cat.NO.: TP01318

3th Edition

Synonyms:3-hydroxybutyrate dehydrogenase type 2, DHRS6, EFA6R, FLJ13261, PRO20933, SDR15C1, UCPA-OR, UNQ6308.

Description:BDH2, also known as DHRS6, belongs to the short-chain dehydrogenases/reductases (SDR) family. This protein may play an important role in the peripheral utilization of 3-hydroxybutyrate. The cytoplasmic localization with its high ratio of oxidized NAD⁺, the NAD⁺ dependence and the kinetic parameters of BDH2 make it suitable to convert high levels of circulating 3-hydroxybutyrate into acetoacetate.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.1M NaCl

Molecular Weight:28.8 kDa (265aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMGRLDGKVIILTAAQGGIGQAAALAFAREGAKVIATDINESKLQELEKYPGIQTRVL
DVTKKKQIDQFANEVERLDVLFNVAGFVHHGTVLDCEEKDWD F SMNLNVRSMYLMIKAF L PKMLAQKSGNIINMSS
VASSVKG VVNRCVYSTTKAAVIGLTKSVAADFIQQGIRCNCVCPGTVDTPSLQERIQARGNP EEARNDFLKRQKTG
RFATAEEIAMLCVYLASDESAYVTGNPVIIDGGWSL

Purity:> 95% by HPLC

Concentration:1.0 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.