



Recombinant Protein Technical Manual

Recombinant Human BDH2 Protein (His Tag)

RPES1618

Product Data:

Product SKU: RPES1618

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: Q9BUT1

Protein Information:

Molecular Mass: 28.9 kDa

AP Molecular Mass: 30 kDa

Tag: N-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping: This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

Formulation: Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 100mM NaCl, pH 8.0.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: 3-Hydroxybutyrate Dehydrogenase Type 2; Dehydrogenase/Reductase SDR Family Member 6; Oxidoreductase UCPA; R-Beta-Hydroxybutyrate Dehydrogenase; BDH2; DHRS6

Immunogen Information:

Sequence: Met 1-Leu245

Background:

3-Hydroxybutyrate Dehydrogenase Type 2 belongs to the short-chain dehydrogenases/reductases (SDR) family. 3-Hydroxybutyrate Dehydrogenase Type 2 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 3-Hydroxybutyrate Dehydrogenase Type 2 make it suitable to convert high levels of circulating 3-hydroxybutyrate into acetoacetate.