

## BDH2 Protein, Human, Recombinant (His)

## General Information

Synonyms:	Oxidoreductase UCPA;Dehydrogenase/Reductase SDR Family Member 6;R- $\beta$ -Hydroxybutyrate Dehydrogenase;R-Beta-Hydroxybutyrate Dehydrogenase;BDH2;3-Hydroxybutyrate Dehydrogenase Type 2;DHRS6
Protein Construction:	Met1-Leu245
Species:	Human
Expression Host:	E. coli
Accession:	AAH01953.1
Molecular Weight:	30 KDa (reducing condition)
AA Sequence:	Met1-Leu245

## QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	Greater than 95% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/ $\mu$ g (1 EU/ $\mu$ g) as determined by LAL test.
Formulation:	Supplied as a 0.2 $\mu$ m filtered solution of 20 mM Tris-HCl, 100 mM NaCl, pH 8.0.

## Preparation and Storage

## Stability &amp; Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

## Shipping:

Proteins are shipped with blue ice.

## Protein 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<sup>+</sup>, the NAD<sup>+</sup> dependence and the kinetic parameters of 3-Hydroxybutyrate Dehydrogenase Type 2 make it suitable to convert high levels of circulating 3-hydroxybutyrate into acetoacetate.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481