

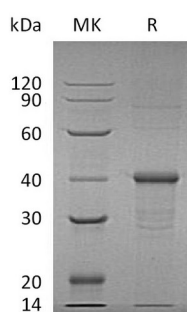
Product Name: Recombinant Human BDH1 (N-6His)
Catalog #: PEH0144



Summary

Name	BDH1/D-β-hydroxybutyrate dehydrogenase
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human D-beta-Hydroxybutyrate Dehydrogenase Mitochondrial/BDH1 is produced by our E.coli expression system and the target gene encoding Met1-Arg343 is expressed with a 6His tag at the N-terminus.
Accession #	Q02338
Host	E.coli
Species	Human
Predicted Molecular Mass	40.3 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 50mM Tris-HCl, 1mM DTT, pH 7.5.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image



Background

Alternative Names	D-Beta-Hydroxybutyrate Dehydrogenase Mitochondrial; BDH; 3-Hydroxybutyrate Dehydrogenase; BDH
Background	D-Beta-Hydroxybutyrate Dehydrogenase Mitochondrial (BDH) is a member of the

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short-chain dehydrogenases/reductases (SDR) family. BDH is localized in the mitochondrion matrix. BDH forms a homotetrameric lipid-requiring enzyme of the mitochondrial membrane and has a specific necessity for phosphatidylcholine for optimal enzymatic activity. BDH catalyzes the interconversion of acetoacetate and (R)-3-hydroxybutyrate, the 2 main ketone bodies formed during fatty acid catabolism.

Note

For Research Use Only , Not for Diagnostic Use.