

BDH2 Protein, Human (His)

Cat. No.:	HY-P7659
Synonyms:	rHuBDH2, His; 3-Hydroxybutyrate Dehydrogenase Type 2; Oxidoreductase UCPA; BDH2;
Species:	Human
Source:	E. coli
Accession:	AAH01953.1 (M1-L245)
Gene ID:	56898
Molecular Weight:	Approximately 30.0 kDa

PROPERTIES

AA Sequence	<pre> M G R L D G K V I I L T A A A Q G I G Q A A A L A F A R E G A K V I A T D I N E S K L Q E L E K Y P G I Q T R V L D V T K K K Q I D Q F A S E V E R L D V L F N V A G F V H H G T V L D C E E K D W D F S M N L N V R S M Y L M I K A F L P K M L A Q K S G N I I N M S S V A S S V K G V V N R C V Y S T T K A A V I G L T K S V A A D F I Q Q G I R C N C V C P G T V D T P S L Q E R I Q A R G N P E E A R N D F L K R Q K T G R F A T A E E I A M L C V Y L A S D E S A Y V T G N P V I I D G G W S L </pre>
Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Solution.
Formulation	Supplied as a 0.2 µm filter solution of 20 mM Tris-HCl, 100 mM NaCl, pH 8.0.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	BDH2 is a short-chain dehydrogenase/reductase family member originally named as DHRS6. BDH2 is widely expressed in the cytoplasm of epithelial cells of organs such as the kidney, small intestines, oral cavity, and breast. BDH2 plays a key role in the development and pathogenesis of human cancers ^[2] .
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REFERENCES

- [1]. Yang WC, et al. Human BDH2, an anti-apoptosis factor, is a novel poor prognostic factor for de novo cytogenetically normal acute myeloid leukemia. J Biomed Sci. 2013;20(1):58. Published 2013 Aug 14.
- [2]. Liu JZ, et al. BDH2 triggers ROS-induced cell death and autophagy by promoting Nrf2 ubiquitination in gastric cancer. J Exp Clin Cancer Res. 2020;39(1):123. Published 2020 Jun 30.
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Caution: Product has not been fully validated for medical applications. For research use only.

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