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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

BCKDHB (Human) Recombinant Protein (P01)

Catalog Number: H00000594-P01

Regulation Status: For research use only (RUO)

Product Description: Human BCKDHB full-length ORF (AAH40139, 1 a.a. - 392 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MAVVAAAAGWLLRLRAAGAEGHWRLPGAGLARGFL
HPAATVEDAAQRRQVAHFTFQPDPEPREYGQTQKMN
LFQSVTSALDNSLAKDPTAVIFGEDVAFGGVFRCTVGL
RDKYKGKDRVFNTPLCEQGIVFGIGIAVTGATAIAEIQF
ADYIFPAFDQIVNEAAKYRYRSGDLFNCGLTIRSPWG
CVGHGALYHSQSPEAFFAHCPGIKVVIPRSPFQAKRLL
LSCIEDKNPCIFFEPKILYRAAAEEVPIEPYNIPLSQAEVI
QEGSDVTLVAWGTQVHVIREVASMAGEKLGVSCEVID
LRTIIPWDVDTICKSVIKTGRLLISHEAPLTGGFASEISST
VQEECFNLNLEAPISRVCGYDTPFPHFEPFYIPDKWKC
YDALRKMINY

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 68.86

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 594

Gene Symbol: BCKDHB

Gene Alias: E1B, FLJ17880, dJ279A18.1

Gene Summary: Branched-chain keto acid dehydrogenase is a multienzyme complex associated with the inner membrane of mitochondria, and functions in the catabolism of branched-chain amino acids. The complex consists of multiple copies of 3 components: branched-chain alpha-keto acid decarboxylase (E1), lipoamide acyltransferase (E2) and lipoamide dehydrogenase (E3). This gene encodes the E1 beta subunit, and mutations therein have been associated with maple syrup urine disease (MSUD), type 1B, a disease characterized by a maple syrup odor to the urine in addition to mental and physical retardation, and feeding problems. Alternative splicing at this locus results in transcript variants with different 3' non-coding regions, but encoding the same isoform. [provided by RefSeq]