



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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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:**

MAVVAAAAGWLLRLRAAGAEGHWRRLLPGAGLARGFL  
HPAATVEDAAQRRQVAHFTFQPDPEPREYGGQTQKMN  
LFQSVTSALDNSLAKDPTAVIFGEDVAFGGVFRCTVGL  
RDKYGKDRVFNTPLCEQGVFGIGIAVTGATAIAEIQF  
ADYIFPAFDQIVNEAAKYRYRSGDLFNCGLTIRSPWG  
CVGHGALYHSQSPEAFFAHCPGIKVVIPRSPFQAKRLL  
LSCIEDKNPCIFFEPKILYRAAAEEVPIEPYNIPLSQAEVI  
QEGSDVTLVAWGTQVHVIREVASMMAKEKLGVSCEVID  
LRTIIPWDVDTICKSVIKTGRLLISHEAPLTGGFASEISST  
VQEECFNLNLEAPISRVCGYDTPFPHFEPFYIPDKWKC  
YDALRKMINY

**Host:** Wheat Germ (in vitro)

**Theoretical MW (kDa):** 68.86

**Interspecies Antigen Sequence:** Mouse (97); Rat (92)

**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]