

Recombinant Full Length Human BCKDHB Protein, C-Flag-tagged

Cat. No. BCKDHB-1763HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human BCKDHB Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes the E1 beta subunit of branched-chain keto acid dehydrogenase, which is a multienzyme complex associated with the inner membrane of mitochondria. This enzyme complex functions in the catabolism of branched-chain amino acids. Mutations in this gene 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 multiple transcript variants.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	37.8 kDa
AA Sequence	MAVVAAAAGWLLRLRAAGAEHWRRLPGAGLARGFLHPAATVEDAAQRRQVAHFT FQPDPEPREYGGTQK MNLFQSVTSALDNSLAKDPTAVIFGEDVAFGGVFRCTVGLR DKYGKDRVFNTPLCEQGIVGFGIGIAVTG ATAIAEIQFADYIFPAFDQIVNEAAKYRYR SGDLFNCGSLTIRSPWGCVGHGALYHSQSPEAFFAHCPGI KVVIPRSPFQAKGLLLS CIEDKNPCIFFEPKILYRAAAEEVPIEPYNIPLSQAEVIQEGSDVTLVAWGTQ VHVIRE

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VASMAKEKLGVSCEVIDLRTIIPWDVDTICKSVIKTGRLISHEAPLTGGFASEISSTVQ
EECF LNLEAPISRVCGYDTPFPHFIFEPFYIPDKWKCYDALRKMINY TRTRPLEQKLIS
EEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Pathways	Metabolic pathways, Valine, leucine and isoleucine degradation
Full Length	Full L.

GENE INFORMATION

Gene Name	BCKDHB branched chain keto acid dehydrogenase E1 subunit beta [Homo sapiens (human)]
Official Symbol	BCKDHB
Synonyms	E1B; BCKDE1B; BCKDH E1-beta
Gene ID	594

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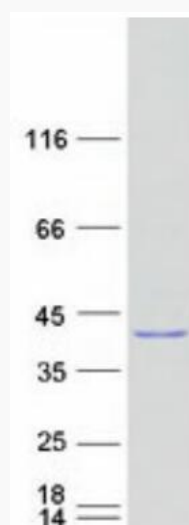
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mRNA Refseq [NM_183050.4](#)

Protein Refseq [NP_898871.1](#)

MIM [248611](#)

UniProt ID [P21953](#)



Coomassie blue staining of purified BCKDHB protein.

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