

Recombinant Full Length Human BCKDK Protein, GST-tagged

Cat. No. BCKDK-1577HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human BCKDK full-length ORF (AAH07363, 28 a.a. - 412 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
Protein Length	28-412 amino acids
Description	The branched-chain alpha-ketoacid dehydrogenase complex (BCKD) is an important regulator of the valine, leucine, and isoleucine catabolic pathways. The protein encoded by this gene is found in the mitochondrion, where it phosphorylates and inactivates BCKD. Several transcript variants encoding different isoforms have been found for this gene.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	68.09 kDa
AA Sequence	RARSTSATDT HHVEMARERS KTVTSFYNS AIDAAAEKPS VRLTPTMMLY AGRSQDGSHL LKSARYLQQE LPVRIAHRIK GFRCLPFIIG CNPTILHVHE LYIRAFQKLT DFPPIKDQAD EAQYQQLVRQ LLDDHKDVVT LLAEGLRESR KHIEDEKLVR YFLDKTLTSR LGIRMLATHH LALHEDKPDF VGIICTRLSP KKIIEKWVDF ARRLCEHKYG NAPRVRINGH VAARFPFIPM PLDYILPELL KNAMRATMES HLDTPYNVPD VVITIANNNDV DLIIRISDRG GGIAHKDLDR

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VMDYHFTTAE ASTQDPRISP LFGHLDMHSG AQSGPMHGFG FGLPTSRAYA
EYLGGSLLQLQ SLQGIGTDVY LRLRHIDGRE ESFRI

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

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

GENE INFORMATION

Gene Name BCKDK branched chain ketoacid dehydrogenase kinase [Homo sapiens]

Official Symbol BCKDK

Synonyms BCKDK; branched chain ketoacid dehydrogenase kinase; [3-methyl-2-oxobutanoate dehydrogenase [lipoamide]] kinase, mitochondrial; BCKDHKIN; BCKD-kinase; branched chain alpha-ketoacid dehydrogenase kinase; branched-chain alpha-ketoacid dehydrogenase kinase

Gene ID 10295

mRNA Refseq NM_001122957

Protein Refseq NP_001116429

MIM 614901

UniProt ID O14874

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