

Recombinant Full Length Human BCKDK Protein, GST-tagged

Cat. No. BCKDK-1623HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human BCKDK full-length ORF (AAH07363, 1 a.a. - 412 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	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	71.06 kDa
AA Sequence	MILASVLRSG PGGGLPLRPL LGPALALRAR STSATDTHHV EMARERSKTV TSFYNQSAID AAAEKPSVRL TPTMMLYAGR SQDGSHLLKS ARYLQQELPV RIAHRIKGFR CLPFIIGCNP TILHVHELYI RAFQKLDFP PIKQDAEAQ YCQLVRQLLD DHKDVVTLA EGLRESRKHI EDEKLVRYFL DKTLT SRLGI RMLATHHLAL HEDKPDFVGI ICTRLSPKKI IEKWVDFARR LCEHKYGNAP RVRINGHVAA RFPFIPMPLD YILPELLKNA MRATMESHLD TPYNVPDVVI

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TIANNVDLI IRISDRGGGI AHKDLDRVMD YHFTTAEAST QDPRISPLFG
 HLDMHSGAQS GPMHGFGL PTSRAYAEYL GGSLQLQLSLQ GIGTDVYLRL
 RHIDGREESF RI

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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