

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

Cat. No. BCKDK-538HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human BCKDK Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	46.2 kDa
AA Sequence	MILASVLRSGPGGGGLPLRPLLGPALALRARSTSATDTHHVEMARERSKTVTSFYNQSAIDAAAEKPSVRL TPTMMLYAGRSQDGSHLLKSARYLQQELPVRIAHRIKGFRCCLPFI IGCNPTILHVHELYIRAFQKLDFP PIKDQADEAQYCQLVRQLLDDHKDVVTLAEGLRRESRKHIEDEKLVRYFLDKTLTSRLGIRMLATHHLAL HEDKPDFVGIICTRLSPKKIIEKWVDFARRLCEHKYGNAPRVRINGHVAARFPFIPMPLDYILPELLKNA MRATMESHL DTPYNVPDVVITIANNDDVDLIIRISDRGGGIAHKDLDRVMDYHFTTAEASTQDPRISPLFG

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	HLDMHSGAQSGPMHGFGLPTSRAYAEYLGGSLQLQSLQGIGTDVYLRLRHIDGR EESFRITRTRPLEQKLISEEDLAANDILDYKDDDDKV
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 Families	Druggable Genome, Protein Kinase
Full Length	Full L.

GENE INFORMATION

Gene Name	BCKDK branched chain keto acid dehydrogenase kinase [Homo sapiens (human)]
Official Symbol	BCKDK
Synonyms	BDK; BCKDKD
Gene ID	10295
mRNA Refseq	NM_005881.4

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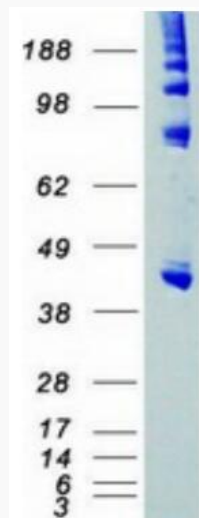
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Protein Refseq NP_005872.2

MIM 614901

UniProt ID O14874



Coomassie blue staining of purified BCKDK protein.

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