

Recombinant Human BCKDK 293 Cell Lysate

Cat. No. BCKDK-8491HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for branched chain ketoacid dehydrogenase kinase (BCKDK), nuclear gene encoding mitochondrial protein, transcript variant 1 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

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

UniProt ID O14874

Chromosome Location 16p11.2

Function ATP binding; ATP binding; [3-methyl-2-oxobutanoate dehydrogenase (acetyl-transferring)] kinase activity; kinase activity; kinase activity; nucleotide binding; protein binding; protein serine/threonine kinase activity; two-component sensor activity;

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