

Product datasheet

Recombinant Human BCKDK protein ab177577

1 Image

Description

Product name	Recombinant Human BCKDK protein
Purity	> 95 % Densitometry.
Expression system	Baculovirus infected Sf9 cells
Accession	O14874
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	<pre> RSTSATDTHVEMARERSKTVTSFYNQSAIDAAAEEKPSVR LTPTMMLYAG RSQDGSHELLKSARYLQQELPVRIAHRIKGFRCCLPFIIGCNPT ILHVHELY IRAFQKLTDFPPIKDQADEAQYQQLVRQLLDDHKDVVTL AEGLRERKH IEDEKLVRYFLDKLTLSRLGIRMLATHHLALHEDKPDFVGII CTRLSPKK IIEKWVDFARRLCEHKYGNAPRVRINGHVAARFPFIPMPLD YILPELLKN AMRATMESHLDTPYNVPDVVITIANNDVDLIIRISDRGGGIAH KDLDRVM DYHFTTAEASTQDPRISPLFGHLDMHSGAQSGPMHGF GLPTSRAYA EY LGGSLQLQSLQGIGTDVYLRLRHIDGreesfri </pre>
Predicted molecular weight	69 kDa including tags
Amino acids	30 to 412
Tags	GST tag N-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab177577** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE
Form	Liquid
Additional notes	This product was previously labelled as BCKDH kinase

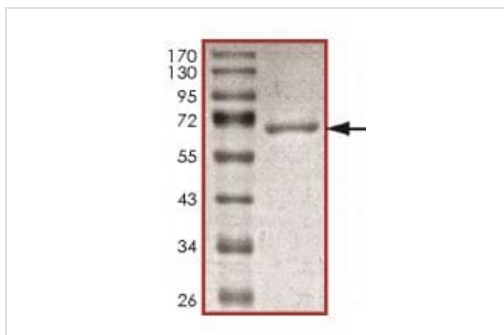
Preparation and Storage

Stability and Storage	Shipped on Dry Ice. Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle. pH: 7.50 Constituents: 0.79% Tris HCl, 0.88% Sodium chloride, 0.31% Glutathione, 0.003% EDTA, 0.004% DTT, 0.002% PMSF, 25% Glycerol (glycerin, glycerine)
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General Info

Function	Catalyzes the phosphorylation and inactivation of the branched-chain alpha-ketoacid dehydrogenase complex, the key regulatory enzyme of the valine, leucine and isoleucine catabolic pathways. Key enzyme that regulate the activity state of the BCKD complex.
Tissue specificity	Ubiquitous.
Sequence similarities	Belongs to the PDK/BCKDK protein kinase family. Contains 1 histidine kinase domain.
Post-translational modifications	Autophosphorylated.
Cellular localization	Mitochondrion matrix.

Images



SDS-PAGE analysis of ab177577.

SDS-PAGE - Recombinant Human BCKDK protein
(ab177577)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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