

Product datasheet for **AR09884PU-S**

BCKDHA (46-445, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	BCKDHA (46-445, His-tag) human recombinant protein, 10 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH SSGLVPRGSH MSSLDDKPQF</u> PGASAEFIDK LEFIQPNVIS GIPIYRVM DR QGQIINPSED PHLPKKVLK LYKSMTLLNT MDRILYESQR QGRISFYMTN YGEEGTHVGS AAALDNTDLV FGQYREAGVL MYRDYPLELF MAQCYGNISD LGKGRQMPVH YGCKERHFVT ISSPLATQIP QAVGAAYAAK RANANRVVIC YFGEGAASEG DAHAGFNFAA TLECPPIFFC RNNGYAISTP TSEQYRGDGI AARGPGYGIM SIRVDGNDVF AVYNATKEAR RRAVAENQPF LIEAMTYRIG HHSTSDSSA YRSVDEVNYW DKQDHPISRL RHYLLSQGWW DEEQEKAWRK QSRRKVM EAF EQAERKPKPN PNLLFSDVYQ EMPAQLRKQQ ESLARHLQTY GEHYPLDHF D K
Tag:	His-tag
Predicted MW:	47.8 kDa
Concentration:	lot specific
Purity:	>80%
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 5 mM DTT, 30% glycerol, 0.2M NaCl
Preparation:	Liquid purified protein
Protein Description:	Recombinant human BCKDHA protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_000700</u>
Locus ID:	593
UniProt ID:	<u>P12694</u>
Cytogenetics:	19q13.2



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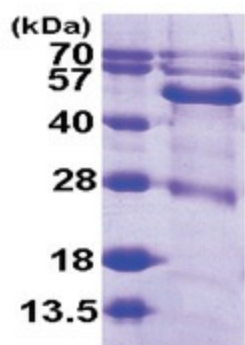
Synonyms: alpha-keto acid dehydrogenase, BCKDE1A

Summary: The branched-chain alpha-keto acid (BCAA) dehydrogenase (BCKD) complex is an inner mitochondrial enzyme complex that catalyzes the second major step in the catabolism of the branched-chain amino acids leucine, isoleucine, and valine. The BCKD complex consists of three catalytic components: a heterotetrameric (alpha2-beta2) branched-chain alpha-keto acid decarboxylase (E1), a dihydrolipoyl transacylase (E2), and a dihydrolipoamide dehydrogenase (E3). This gene encodes the alpha subunit of the decarboxylase (E1) component. Mutations in this gene result in maple syrup urine disease, type IA. Multiple transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Sep 2009]

Protein Families: Druggable Genome

Protein Pathways: Metabolic pathways, Valine, leucine and isoleucine degradation

Product images:



15% SDS-PAGE (3ug)