

Product information

CKB, 1-381aa

Human, Recombinant, *E.coli*

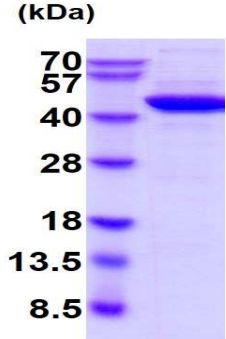
Cat. No. IBATGP3384

Full name: Creatine Kinase B-type

NCBI Accession No.: NP_001814

Synonyms: B-CK, BCK, CKBB, HEL-211, HEL-S-29

Description: CKB, also known as Creatine Kinase B-type, is encoded by this gene is a cytoplasmic enzyme involved in energy homeostasis. The encoded protein reversibly catalyzes the transfer of phosphate between ATP and various phosphogens such as creatine phosphate. It acts as a homodimer in brain as well as in other tissues, and as a heterodimer with a similar muscle isozyme in heart. Recombinant human CKB, was expressed in *E.coli* and purified by using conventional chromatography techniques.

<p>Form: Liquid. In 20mM Tris-Hcl Buffer (pH 8.0) containing 10% glycerol, 1mM DTT.</p> <p>Molecular Weight: 42.6kDa (381aa) confirmed by MALDI-TOF</p> <p>Purity: > 90% by SDS - PAGE</p> <p>Concentration: 1mg/ml (determined by Bradford)</p>	 <p>15% SDS-PAGE (3ug)</p>
<p>Sequences of amino acids:</p> <pre>MPFSNSHNAL KLRFAEDEF PDLSAHNNHM AKVLTPELYA ELRAKSTPSG FTLDDVIQTG VDNPGHPYIM TVGCVAGDEE SYEVFKDLFD PI IEDRHGGY KPSDEHKTDL NPDNLQGGDD LDPNYVLSSR VRTGRSIRGF CLPPHC SRGE RRAIEKLAVE ALSSLDGD LA GRYYALKSMT EAEQQQLIDD HFLFDKPVSP LLLASGMARD WPDARGIWHN DNKTFVLVWVN EEDHLRVISM QKGGNMKEVF TRFCTGLTQI ETLFKSKDYE FMWNPHLGYI LTCPSNLGTG LRAGVHIKLP NLGKHEKFSE VLKRLRLQKR GTGGVDATAAV GGVFVDSNAD RLGFESEVELV QMVVDGVKLL IEMEQRLQQQAIDDLMPAQ K</pre>	

General references:

Steen C., *et al.* (2010) *PLoS One*. 5(5):e10811.

Hara H., *et al.* (2009) *J Virol*. 83(10) 5137-47.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



Manufactured for:

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