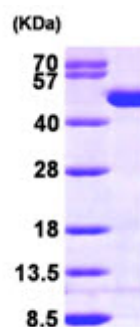


AR09563PU-N

Human CKBB (1-381, His-tag) - Purified

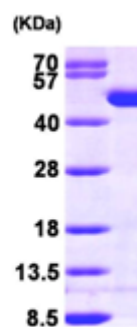
Alternate names:	B-CK, CKB, Creatine kinase B chain, Creatine kinase B-type, Creatine kinase BB
Quantity:	0.1 mg
Concentration:	1.0 mg/ml (determined by Bradford assay)
Background:	CKB (Creatine kinase B-type) is a cytoplasmic enzyme involved in energy homeostasis. The protein reversibly catalyzes the 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. Creatine kinases provide the energy of phosphate hydrolysis necessary to drive the normal function of many cellular systems including muscle, tumor and cancer cells.
Uniprot ID:	P12277
NCBI:	NP_001814
GeneID:	1152
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >95% by SDS - PAGE Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 10% glycerol
Description:	Recombinant human CKB protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography technique. AA Sequence: MGSSHHHHHH SSGLVPRGSH MPFSNSHNAL KLRFAEDEF PDLSAHNNHM AKVLTPELYA ELRAKSTPSG FTLDQVIQTG VDNPGHPYIM TVGCVAGDEE SYEVFKDLFD PIIEDRHGGY KPSDEHKTDL NPDNLQGGDD LDPNYVLSSR VRTGRSIRGF CLPPHCSRGE RRAIEKLAVE ALSSLDGDLA GRYYALKSMT EAEQQQLIDD HFLFDKPVSP LLLASGMARD WPDARGIWHN DNKTFVLWVN EEDHLRVISM QKGGNMKEVF TRFCTGLTQI ETLFKSKDYE FMWNPGLGYI LTCPSNLGTG LRAGVHIKLP NLGKHEKFSE VLKRLRLQKR GTGGVDTAAG GGVFDVSNAD RLGFSEVELV QMVVDGVKLL IEMEQRLQEQ QAIDDLMPAQ K Molecular weight: 44.8 kDa (401aa), confirmed by MALDI-TOF
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. Shelf life: one year from despatch.
General Readings:	Chang EJ., et al. (2008) Nat Med. 14(9):966-72. Debrincat MA., et al. (2007) J Biol Chem. 282(7):4728-37.

Pictures:



15% SDS-PAGE (3ug)

Recombinant human CKB, 1-381 aa, His-tagged



15% SDS-PAGE (3ug)