

## 32-2980: CKB His Recombinant Protein

**Alternative Name :** EC 2.7.3.2, Creatine kinase B chain, Creatine kinase B type, CKB, CKBBB, B-CK, Creatine Kinase Brain.

### Description

Source : Escherichia Coli. CKB Recombinant Human produced in E.Coli is a single, non-glycosylated polypeptide chain containing 401 amino acids (1-381 a.a.) and having a molecular mass of 44.8 kDa. The CKB is fused to 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques. CKB is a cytoplasmic enzyme that takes part in energy homeostasis. CKB enzyme reversibly catalyzes the transfer of phosphate among ATP and various phosphogens such as creatine phosphate. CKB functions as a homodimer in the brain as well as in different tissues, and as a heterodimer with a similar muscle isozyme in heart. Creatine kinases supply the energy of phosphate hydrolysis essential to drive the normal role of many cellular systems including muscle, tumor and cancer cells.

### Product Info

<b>Amount :</b>	20 µg
<b>Purification :</b>	Greater than 95.0% as determined by SDS-PAGE.
<b>Content :</b>	CKB Human solution containing 20mM Tris pH-8, 1mM DTT, & 10% glycerol.
<b>Storage condition :</b>	CKB Human although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.
<b>Amino Acid :</b>	MGSSHHHHHH SSSLVPRGSH MPFSNSHNAL KLRFPAEDEF PDLSAHNNHM AKVLTPELYA ELRAKSTPSG FTLDDVIQTG VDNPGHPYIM TVGCVAGDEE SYEVFKDLFD PIIEDRHGGY KPSDEHKTDL NPDNLQGGDD LDPNYVLSSR VRTGRSIRGF CLPPHCSRGE RRAIEKLAVE ALSSLDGDLA GRYYALKSMT EAEQQQLIDD HFLFDKPVSP LLLASGMARD WPDARGIWHN DNKTFVLVWVN EEDHLRVISM QKGGNMKEVF TRFCTGLTQI ETLFKSKDYE FMWNPFLGYI LTCPSNLGTG LRAGVHIKLP NLGKHEKFSE VLKRLRLQKR GTGGVDAAV GGVFDVSNAD RLGFESEVELV QMVVDGVKLL IEMEQRLEQG QAIDDLMPAQ K.