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## 32-6961: CKB Human

**Alternative Name :** Creatine kinase B-type, B-CK, BCK, CKBB, HEL-211, HEL-S-29, CKB, EC 2.7.3.2, Creatine kinase B chain, CKB, CKBB, CKBBI.

## Description

Source: E.coli.
Sterile Filtered colorless solution.
Creatine Kinase BB 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. The encoded protein is a member of the ATP:guanido phosphotransferase protein family. A pseudogene of this gene has been characterized.
CKB Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 381 amino acids (1-381a.a) and having a molecular mass of 42.6kDa. CKB is purified by proprietary chromatographic techniques.

## Product Info

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|---|---|
| **Amount :** | 2 µg / 10 µg |
| **Purification :** | Greater than 90% as determined by SDS-PAGE. |
| **Content :** | CKB solution (1mg/ml) contains 20mM Tris-Hcl Buffer (pH 8.0), 10% glycerol and 1mM DTT. |
| **Storage condition :** | Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles. |
| **Amino Acid :** | MPFSNSHNAL KLRFPAEDEF PDLSAHNNHM AKVLTPELYA ELRAKSTPSG FTLDDVIQTG VDNPGHPYIM TVGCVAGDEE SYEVFKDLFD PIIEDRHGGY KPSDEHKTDL NPDNLQGGDD LDPNYVLSSR VRTGRSIRGF CLPPHCSRGE RRAIEKLAVE ALSSLDGDLA GRYYALKSMT EAEQQQLIDD HFLFDKPVSP LLLASGMARD WPDARGIWHN DNKTFLVWVN EEDHLRVISM QKGGNMKEVF TRFCTGLTQI ETLFKSKDYE FMWNPHLGYI LTCPSNLGTG LRAGVHIKLP NLGKHEKFSE VLKRLRLQKR GTGGVDTAAV GGVFDVSNAD RLGFSEVELV QMVVDGVKLL IEMEQRLEQG QAIDDLMPAQ K. |

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