

## 32-2979: CKB Recombinant Protein

**Alternative Name :** Creatine kinase B-type, EC 2.7.3.2, Creatine kinase B chain, B-CK, CKB, CKBB, CKBBI.

### Description

Source : Pichia Pastoris. CKBB Human Recombinant produced in Pichia Pastoris is a glycosylated polypeptide chain having an identical amino acid sequence compared to the native enzyme, purified under non-denaturing conditions and reacts with polyclonal antibodies to BB Isoenzyme in ELISA. The CKBB is purified by proprietary chromatographic techniques. 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.

### Product Info

<b>Amount :</b>	50 µg
<b>Purification :</b>	Greater than 95.0% as determined by (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
<b>Content :</b>	CKBB Human Recombinant produced in Pichia Pastoris is a glycosylated polypeptide chain having an identical amino acid sequence compared to the native enzyme, purified under non-denaturing conditions and reacts with polyclonal antibodies to BB Isoenzyme in ELISA. The CKBB is purified by proprietary chromatographic techniques.
<b>Storage condition :</b>	CKBB should be stored below -18°C. Please prevent freeze-thaw cycles.

### Application Note

The biological activity measured by the enzymatic activity of Creatine phosphokinase procedure No.45-UV, 1IU-1 µmole creatine phosphate was 854 IU/mg at 37 degrees celsius corresponding to a Specific Activity of 1,171ng/ml.

