

## CKB Human, Creatine Kinase Brain Human Recombinant Protein, Pichia

Catalog Number: PROTP12277-1

### Introduction

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.

### Overview

Product Name	CKB Human, Creatine Kinase Brain Human Recombinant Protein, Pichia
Description	CKBB Human Recombinant produced in Pichia Pastoris is a dimeric glycosylated full length polypeptide chain comprised of 2 identical B subunits and having an identical amino acid sequence compared to the native enzyme, purified under non-denaturing conditions and having a Mw of 47kDa The CKBB is purified by proprietary chromatographic techniques.
Source	Pichia Pastoris.
Physical Appearance	Sterile Filtered colourless liquid formulation.
Formulation	CKBB Human contains 10Mm Bis-Tris-HCl pH-6.0, 50% glycerol, 0.5mM EDTA and 0.5mM DTT.

### Storage

Store in -20°C for long term storage. After reconstitution, store in 4°C for short term usage within a few days. Avoid freeze-thaw cycles.

### Purity

Greater than 95.0% as determined by (a) Analysis by RP-HPLC.  
(b) Analysis by SDS-PAGE.

## USAGE

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