

CKB Human

Description: 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.

Catalog #: CKPS-275

For research use only.

Synonyms: Creatine kinase B-type, EC 2.7.3.2, Creatine kinase B chain, B-CK, CKB, CKBB, CKBBI.

Source: Pichia Pastoris.

Physical Appearance: Sterile Filtered colourless liquid formulation.

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

Formulation:

CKBB Human contains 10Mm Bis-Tris-HCl pH-6.0, 50% glycerol, 0.5mM EDTA and 0.5mM DTT.

Stability:

CKBB should be stored below -18°C. Please prevent freeze-thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

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.

Biological Activity:

The biological activity measured by the enzymatic activity of Creatine phosphokinase procedure No.45-UV, 1IU-1

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