

Product datasheet for **BIN015**

CKBB Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	CKBB human recombinant protein, 1 mg
Species:	Human
Expression Host:	Pichia pastoris
Concentration:	lot specific
Purity:	>95% pure by SDS-PAGE. Purified under non-denaturing conditions.
Buffer:	Presentation State: Azide Free State: Liquid purified protein Buffer System: 10 mM Bis-Tris-HCl, 0.5 mM DTT, 0.5 mM EDTA, 50% Glycerol, pH 6.0 +/- 0.2 containing no preservatives
Preparation:	Liquid purified protein
Applications:	Suitable for use in ELISA.
Protein Description:	Recombinant Creatine Kinase BB (CK-BB) Isoenzyme. Full length Creatine Kinase BB isoenzyme with amino acid sequence identical to the native enzyme. CKBB is a 47 kDa dimeric protein comprised of 2 identical B subunits. Purified in the enzymatically active form. Reacts with polyclonal antibodies to BB isoenzyme in ELISA.
Storage:	Store at -20° to -70°C. Aliquot to avoid multiple freeze/thaw cycles.
Stability:	Shelf life: six months from despatch.
RefSeq:	NP_001814
Locus ID:	1152
UniProt ID:	P12277 , V9HWH2
Cytogenetics:	14q32.33
Synonyms:	B-CK; BCK; CKBB; CPK-B; HEL-211; HEL-S-29



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Summary: The protein encoded by this gene 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. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome

Protein Pathways: Arginine and proline metabolism, Metabolic pathways