Recombinant Human CKB

Cat. No. CKB-26521TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human Recombinant Full Length Creatine Kinase BB produced in Pichia Pastoris.
Species	Human
Description	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.
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: NoneConstituents: 50% Glycerol, 10mM Bis-Tris HCl, 0.5mM EDTA, 0.5mM DTT, pH 6.2
Storage	Aliquot and store at -80°C. Avoid repeated freeze / thaw cycles.
Sequence Similarities	Belongs to the ATP:guanido phosphotransferase family.Contains 1 phosphagen kinase C-terminal domain.Contains 1 phosphagen kinase N-terminal domain.
Full Length	Full L.

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GENE INFORMATION

Gene Name	CKB creatine kinase, brain [Homo sapiens]
Official Symbol	CKB
Synonyms	CKB; creatine kinase, brain; CKBB; creatine kinase B-type;
Gene ID	1152
mRNA Refseq	NM_001823
Protein Refseq	NP_001814
MIM	123280
Uniprot ID	P12277
Chromosome Location	14q32.3
Pathway	Arginine and proline metabolism, organism-specific biosystem; Arginine and proline metabolism, conserved biosystem; Creatine metabolism, organism-specific biosystem; Creatine pathway, organism-specific biosystem; Creatine pathway, conserved biosystem;
Function	ATP binding; creatine kinase activity; nucleotide binding;

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