

Recombinant Human CKB Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CKB-1504H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CKB MS Standard C13 and N15-labeled recombinant protein (NP_001814) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	42.6 kDa
AA Sequence	MPFSNSHNALKLRFP AEDEFPDLSAHNNHMAKVLTPELYAELRAKSTPSGFTLDDVI QTGVDNPGHPYIMTVGCVAGDEESYEVFKDLFDPIIEDRHGGYKPSDEHKTDLNPD NLQGGDDLDPNYVLSSRVRTGRSIRGFCLPPHCSRGERRAIEKLAVEALSSLDGDLA GRYYALKSMTEAEQQQLIDDHFLFDKPVSPLLLASGMARDWPDARGIWHNDNKFTL VWVNEEDHLRVISMQKGGNMKEVFTRFCTGLTQIETLFKSKDYEFMWNPHLG YILT CPSNLGTGLRAGVHIKLPNLGKHEKFSEVLKRLRLQKRGTGGVDTA AVGGVFDVSN

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	ADRLGFSEVELVQMVVDGVKLLIEMEQRLEQGQAIDDLMPAQKTRTRPLEQKLISEE DLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	CKB creatine kinase B [Homo sapiens (human)]
Official Symbol	CKB
Synonyms	CKB; creatine kinase, brain; CKBB; creatine kinase B-type; creatine kinase-B; creatine kinase B chain; B-CK;
Gene ID	1152
mRNA Refseq	NM_001823
Protein Refseq	NP_001814
MIM	123280

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UniProt ID

P12277

SDS-PAGE

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