

Recombinant Full Length Human CKB Protein, C-Flag-tagged

Cat. No. CKB-1210HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human CKB Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	42.5 kDa
AA Sequence	MPFSNSHNALKLRFPAEDEFDPDLAHNNHMAKVLTPELYAELRAKSTPSGFTLDDVI QTGVDNPGHPYIM TVGCVAGDEESYEVFKDLFDPIIEDRHGGYKPSDEHKTDLNPD NLQGGDDLDPNYVLSSRVRTGRSIRGF CLPPHCSRGERRAIEKLAVEALSSLDGDL AGRYYALKSMTEAEQQQLIDDHFLFDKPVSPLLASGMARD WPDARGIWHNDNKT FLVWVNEEDHLRVISMQKGGNMKEVFRFCTGLTQIETLFKSKDYEFMWNPHLGYI LTCPSNLGTGLRAGVHIKLPNLGKHEKFSEVLKRLRLQKRGTTGGVDTAAVGGVFDV

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	SNADRLGFSEVELV QMVVDGVKLLIEMEQRLEQGQAIDDLMPAQKTRTRPLEQKLISEEDLAANDILDYKD DDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Protein Pathways	Arginine and proline metabolism, Metabolic pathways
Full Length	Full L.

GENE INFORMATION

Gene Name	CKB creatine kinase B [Homo sapiens (human)]
Official Symbol	CKB
Synonyms	BCK; B-CK; CKBB; CPK-B; HEL-211; HEL-S-29
Gene ID	1152

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mRNA Refseq	NM_001823.5
Protein Refseq	NP_001814.2
MIM	123280
UniProt ID	P12277

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