

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	MPFSNSHNALKLRFPAEDEFDPDLSAHNNHMAKVLTPELYAELRAKSTPSGFTLDDVI QTGVDNPGHPYIM TVGCVAGDEESYEVFKDLDFDPIIEDRHGGYKPSDEHKTDLNPD NLQGGDDLDPNYVLSSRVRTGRSIRGF CLPPHCSRGERRAIEKLAVEALSSLDGDL AGRYYALKSMTEAEQQQLIDDHFLFDKPVSPLLLASGMARD WPDARGIWHNDNKT FLVWVNEEDHLRVISMQKGGNMKEVFRFCTGLTQIETLFKSKDYEFMWNPHLGYI LTCPSNLGTGLRAGVHIKLPNLGKHEKFSEVLKRLRLQKRGTGGVDTAAVGGVFDV

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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](#)



Coomassie blue staining of purified CKB protein.

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