

# Recombinant Full Length Human CKB Protein, GST-tagged

Cat. No. CKB-1861HF Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human CKB full-length ORF ( AAH01190, 1 a.a. - 381 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	381 amino acids
<b>Description</b>	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]
<b>Molecular Mass</b>	67.65 kDa
<b>AA Sequence</b>	MPFSNSHNALKLRFPAEDEFDPDLSAHNNHMAKVLTPELYAELRAKSTPSGFTLDDVI QTGVDNPGHPYIMTVGCVAGDEESYEVFKDLFDPIIEDRHGGYKPSDEHKTDLNP NLQGGDDLDPNYVLSSRVRTGRSIRGFCLPPHCSRGERRAIEKLAVEALSSLDGDLA GRYYALKSMTEAEQQQLIDDHFLFDKPVSPLLLASGMARDWPDARGIWHNDNKTF LWVNEEDHLRVISMQKGGNMKEVFRFCTGLTQIETLFKSKDYEFMWNPHLGYILT CPSNLGTGLRAGVHIKLPNLGKHEKFSEVLKRLRLQKRGTGGVDTAAVGGVFDVSN

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



ADRLGFSEVELVQMVVDGVKLLIEMEQRLEQGQAIDDLMPAQK

**Applications**

Enzyme-linked Immunoabsorbent Assay  
Western Blot (Recombinant protein)  
Antibody Production  
Protein Array

**Notes**

Best use within three months from the date of receipt of this protein.

**Storage**

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer**

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

**GENE INFORMATION**

**Gene Name**

CKB creatine kinase, brain [ Homo sapiens ]

**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

**UniProt ID**

P12277

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