

## Recombinant Human CKB Protein, GST-tagged

**Cat. No.** CKB-1391H    **Lot. No.** (See product label)

### SPECIFICATION

**Product Overview**    Human CKB full-length ORF ( AAH01190, 1 a.a. - 381 a.a.) recombinant protein with GST-tag at N-terminal.

**Species**    Human

**Source**    Wheat Germ

**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. [provided by RefSeq, Jul 2008]

**Molecular Mass**    67.65 kDa

**AA Sequence**    MPFSNSHNALKLRFP AEDEF PDLSAHNNHMAKVLTPELYAELRAKSTPSGFTLDDVI  
 QTGVDNPGHPYIMTVGCVAGDEESYEVFKDLFDPIIEDRHGGYKPSDEHKTDLNPD  
 NLQGGDDLDPNYVLSSRVRTGRSIRGFCLPPHCSRGERRAIEKLAVEALSSLDGDLA  
 GRYYALKSMTEAEQQQLIDDHFLFDKPVSPLLLASGMARDWPDARGIWHNDNKFTL  
 VVVNEEDHLRVISMQKGGNMKEVFTRFCTGLTQIETLFKSKDYEFMWNPHLGYILT  
 CPSNLGTGLRAGVHIKLPNLGKHEKFSEVLKRLRLQKRGTGGVDTA AVGGVFDVSN  
 ADRLGFSEVELVQMVVDG VKLLIEMEQRLEQQQAIDDLMPAQK

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<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	CKB creatine kinase, brain [ Homo sapiens ]
<b>Official Symbol</b>	CKB
<b>Synonyms</b>	CKB; creatine kinase, brain; CKBB; creatine kinase B-type; creatine kinase-B; creatine kinase B chain; B-CK;
<b>Gene ID</b>	1152
<b>mRNA Refseq</b>	NM_001823
<b>Protein Refseq</b>	NP_001814
<b>MIM</b>	123280
<b>UniProt ID</b>	P12277

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**Quality Control**

**Testing:**



12.5% SDS-PAGE Stained with Coomassie Blue.

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