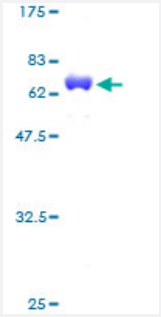
Full-Length

CKB (Human) Recombinant Protein (P01)

Catalog # H00001152-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human CKB full-length ORF (AAH01190, 1 a.a. - 381 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MPFSNSHNALKLRFPAEDEFPDLSAHNNHMAKVLTPELYAELRAKSTPSGFTLDDVIQTGVDNPG HPYIMTVGCVAGDEESYEVFKDLFDPIIEDRHGGYKPSDEHKTDLNPDNLQGGDDLDPNYVLSSR VRTGRSIRGFCLPPHCSRGERRAIEKLAVEALSSLDGDLAGRYYALKSMTEAEQQQLIDDHFLFDK PVSPLLLASGMARDWPDARGIWHNDNKTFLVWVNEEDHLRVISMQKGGNMKEVFTRFCTGLTQI ETLFKSKDYEFMWNPHLGYILTCPSNLGTGLRAGVHIKLPNLGKHEKFSEVLKRLRLQKRGTGGV DTAAVGGVFDVSNADRLGFSEVELVQMVVDGVKLLIEMEQRLEQGQAIDDLMPAQK
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	67.65
Interspecies Antigen Sequence	Mouse (97); Rat (97)
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — CKB

Entrez GeneID	1152
GeneBank Accession#	BC001190
Protein Accession#	AAH01190
Gene Name	CKB
Gene Alias	B-CK, CKBB
Gene Description	creatine kinase, brain
Omim ID	123280
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a cytoplasmic enzyme involved in energy homeostasis. The e ncoded protein reversibly catalyzes the transfer of phosphate between ATP and various phospho gens 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 characteri zed. [provided by RefSeq
Other Designations	brain creatine kinase|creatine kinase B-chain|creatine kinase-B

Pathway

- Arginine and proline metabolism
- Metabolic pathways

Disease

- Macular Degeneration