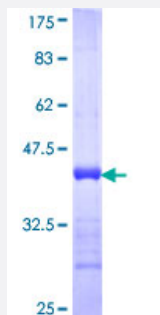


CKB (Human) Recombinant Protein (Q01)

Catalog # H00001152-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human CKB partial ORF (NP_001814, 281 a.a. - 381 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	LTCP SNLGTGLRAGVHIKLPNLGKHEKFSEVLKRLRLQKRGTGGVDTAAVGGVFDVSNADRLGFSEVELVQM VVDGVKLLIEMEQRLEQGQAIDDLMPAQK
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.85
Interspecies Antigen Sequence	Mouse (99); Rat (98)
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# [NM_001823](#)

Protein Accession# [NP_001814](#)

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 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]

Other Designations brain creatine kinase|creatine kinase B-chain|creatine kinase-B

Pathway

- [Arginine and proline metabolism](#)
- [Metabolic pathways](#)

Disease

- [Macular Degeneration](#)