

CKB, 1-381aa, Human, His tag, E.coli

Cat.NO.: TP01630

3th Edition

Synonyms: Creatine kinase B-type, B-CK, CKBB

Description: CKB (Creatine kinase B-type) is a cytoplasmic enzyme involved in energy homeostasis. The protein reversibly catalyzes the transfer of phosphate between ATP and various phosphogens such as creatine phosphate.

Form: Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 1mM DTT, 10% glycerol

Molecular Weight: 44.8 kDa (401aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMPFNSHNALKLRFPAEDEFPDLSAHNNHMAKVLTPELYAELRAKSTPSGFTLDD
VIQTGVDNPGHPYIMTVGCVAGDEESYEVFKDLFDPIIEDRHGGYKPSDEHKTDLNPDLNQGDDLDPNYVLSSRV
RTGRSIRGFCLPPHCSRGERRAIEKLAVEALSSLDGDLAGRYALKSMTEAEQQQLIDDHFLFDKPVSPLLLASGMA
RDWPDARGIWHNDNKTFLVWVNEEDHLRVISMQKGGNMKEVFTRFCTGLTQIETLFKSKDYEFMWNPHLG YILTC
PSNLGTGLRAGVHIKLPNLGKHEKFSEVLKRLRLQKRGTTGGVDTAAVGGVFDVSNADRLGFSEVELVQM VVDGVK
LLIEMEQRLEQQQAIDDLMPAQK

Purity: > 95% by HPLC

Concentration: 1 mg/ml (determined by Bradford assay)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.