

Datasheet for ABIN7319644 **CKB Protein (His tag)**

[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	CKB
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This CKB protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Creatine Kinase BB/CKB Protein (His Tag)
Sequence:	Met1-Lys381
Characteristics:	Recombinant Human Creatine Kinase BB is produced by our E.coli expression system and the target gene encoding Met1-Lys381 is expressed with a 6His tag at the N-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	CKB
Alternative Name:	Creatine Kinase BB/CKB (CKB Products)
Background:	Background: Creatine kinase B-type (CKB) belongs to the ATP:guanido phosphotransferase family. It has dimer of identical or non-identical chains with MM being the major form in skeletal muscle and myocardium. MB exists in myocardium, and BB exists in many tissues, especially

Target Details

brain. CKB reversibly catalyzes the transfer of phosphate between ATP and various phosphogens (e.g. creatine phosphate). Creatine kinase isoenzymes play a central role in energy transduction in tissues with large, fluctuating energy demands, such as skeletal muscle, heart, brain and spermatozoa. Clinically, creatine kinase is assayed in blood tests as a marker of myocardial infarction (heart attack), rhabdomyolysis (severe muscle breakdown), muscular dystrophy, autoimmune myositides and acute renal failure.

Synonym: B-CK, CKB, Creatine Kinase BB

Molecular Weight: 44.8 kDa

UniProt: [P12277](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Frozen, Liquid

Buffer: Supplied as a 0.2 µm filtered solution of 20 mM TrisHCl,150 mM NaCl,10 % Glycerol, pH 7.5.

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.