

Creatine Kinase Brain Active Protein | CKB active protein

Recombinant Human Creatine Kinase Brain

CATALOG # AAA38098	HOST Pichia Pastoris
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PRODUCT SYNONYMS

Creatine Kinase Brain; Recombinant Human Creatine Kinase Brain; CKB Human; Creatine Kinase Brain Human Recombinant; Creatine kinase B-type; EC 2.7.3.2; Creatine kinase B chain; B-CK; CKB; CKBB; CKBBI; CKB active protein

PRODUCT SPECIFICATIONS

Host	Pichia Pastoris
Purity/Purification	Greater than 95.0% as determined by(a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Form/Format	CKBB Human contains 10Mm Bis-Tris-HCl pH-6.0, 50% glycerol, 0.5mM EDTA and 0.5mM DTT. Sterile Filtered colourless liquid formulation.
Concentration	10ug/4ul (varies by lot)
Sequence Length	381
Biological Activity	The biological activity measured by the enzymatic activity of Creatine phosphokinase procedure No.45-UV, 1IU-1 umole creatine phosphate was 854 IU/mg at 37 degrees celsius corresponding to a Specific Activity of 1,171ng/ml.
Preparation and Storage	CKBB should be stored below -18 degree C. Please prevent freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for CKB active protein	Description: CKBB Human Recombinant produced in Pichia Pastoris is a glycosylated polypeptide chain having an identical amino acid sequence compared to the native enzyme, purified under non-denaturing conditions and reacts with polyclonal antibodies to BB Isoenzyme in ELISA. The CKBB is purified by proprietary chromatographic techniques. Introduction: Creatine Kinase BB 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.
Product Categories/Family for CKB active protein	Protein Kinases; Enzymes; Creatin Kinases

NCBI AND UNIPROT INFORMATION

NCBI GI #	21536286
NCBI GeneID	1152
NCBI Accession #	NP_001814.2
NCBI GenBank Nucleotide #	NM_001823.4
UniProt Accession #	P12277; Q2LE07; Q6FG40; Q9UC66; A8K236; B2R5R4
Molecular Weight	42,644 Da

NCBI Official Full Name	creatine kinase B-type
NCBI Official Synonym Full Names	creatine kinase, brain
NCBI Official Symbol	CKB
NCBI Official Synonym Symbols	BCK; B-CK; CKBB; HEL-211; HEL-S-29
NCBI Protein Information	creatine kinase B-type; creatine kinase B chain; creatine kinase-B; epididymis luminal protein 211; epididymis secretory protein Li 29
UniProt Protein Name	Creatine kinase B-type
UniProt Gene Name	CKB
UniProt Synonym Gene Names	CKBB
UniProt Entry Name	KCRB_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/pichia-pastoris-ckb-active-protein/creatine-kinase-brain/38098>