

Product datasheet for AR09563PU-N

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OriGene Technologies, Inc.

CKBB (1-381, His-tag) Human Protein

Product data:

Product Type: Recombinant Proteins

Description: CKBB (1-381, His-tag) human recombinant protein, 0.1 mg

Species: Human
Expression Host: E. coli

Expression cDNA Clone

or AA Sequence:

MGSSHHHHHH SSGLVPRGSH MPFSNSHNAL KLRFPAEDEF PDLSAHNNHM AKVLTPELYA ELRAKSTPSG FTLDDVIQTG VDNPGHPYIM TVGCVAGDEE SYEVFKDLFD PIIEDRHGGY KPSDEHKTDL NPDNLQGGDD LDPNYVLSSR VRTGRSIRGF CLPPHCSRGE RRAIEKLAVE ALSSLDGDLA GRYYALKSMT EAEQQQLIDD HFLFDKPVSP LLLASGMARD WPDARGIWHN DNKTFLVWVN EEDHLRVISM QKGGNMKEVF TRFCTGLTQI ETLFKSKDYE FMWNPHLGYI LTCPSNLGTG LRAGVHIKLP NLGKHEKFSE VLKRLRLQKR GTGGVDTAAV GGVFDVSNAD

RLGFSEVELV QMVVDGVKLL IEMEQRLEQG QAIDDLMPAQ K

Tag: His-tag
Predicted MW: 44.8 kDa
Concentration: lot specific

Purity: >95% by SDS - PAGE

Buffer: Presentation State: Purified

State: Liquid purified protein

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 10% glycerol

Preparation: Liquid purified protein

Protein Description: Recombinant human CKB protein, fused to His-tag at N-terminus, was expressed in E.coli and

purified by using conventional chromatography technique.

Storage: Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

Avoid repeated freezing and thawing.

Stability: Shelf life: one year from despatch.

RefSeq: <u>NP 001814</u>

Locus ID: 1152

UniProt ID: <u>P12277</u>, <u>V9HWH2</u>

Cytogenetics: 14q32.33





CKBB (1-381, His-tag) Human Protein - AR09563PU-N

Synonyms: B-CK; BCK; CKBB; CPK-B; HEL-211; HEL-S-29

Summary: The protein encoded by this gene is a cytoplasmic enzyme involved in energy homeostasis.

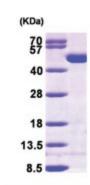
The encoded protein reversibly catalyzes the transfer of phosphate between ATP and various phosphogens such as creatine phosphate. It acts as a homodimer in brain as well as in other tissues, and as a heterodimer with a similar muscle isozyme in heart. The encoded protein is a member of the ATP:guanido phosphotransferase protein family. A pseudogene of this gene

has been characterized. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome

Protein Pathways: Arginine and proline metabolism, Metabolic pathways

Product images:



15% SDS-PAGE (3ug)