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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

CKMT1B (Human) Recombinant Protein (P01)

Catalog Number: H00001159-P01

Regulation Status: For research use only (RUO)

Product Description: Human CKMT1B full-length ORF (NP_066270.1, 1 a.a. - 417 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MAGPFSRLLSARPGLRLLALAGAGSLAAGFLLRPEPV
RAASERRRLYPPSAEYDRLRKHNNCMASHLTPAVYAR
LCDKTTPTGWTLDDQCIQTGVDNPGHPFIKTVGMVAGD
EETYEVFADLFDLPVIQERHNGYDPRMTMKHTTDLASKI
RSGYFDERYVLSSRVRTGRSIRGLSLPPACTRAERRE
VERVVVDALSGLKGDLAGRYRLSEMTEAEQQQLIDD
HFLFDKPVSPLLTAAGMARDWPDARGIWHNNEKSFLI
WVNEEDHTRVISMEEKGGNMKRVFERFCRGLKEVERLI
QERGWEFMWNERLGYILTCPNSLGTGLRAGVHIKPLPL
LSKDSRFPKILENLRQLQKRGTGGVDTAATGGVFDISNL
DRLGKSEVELVQLVIDGVNYLIDCERRLERGQDIRIPTP
VIHTKH

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 73.4

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

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.

Entrez GeneID: 1159

Gene Symbol: CKMT1B

Gene Alias: CKMT, CKMT1, UMTCK

Gene Summary: Mitochondrial creatine (MtCK) kinase is responsible for the transfer of high energy phosphate from mitochondria to the cytosolic carrier, creatine. It belongs to the creatine kinase isoenzyme family. It exists as two isoenzymes, sarcomeric MtCK and ubiquitous MtCK, encoded by separate genes. Mitochondrial creatine kinase occurs in two different oligomeric forms: dimers and octamers, in contrast to the exclusively dimeric cytosolic creatine kinase isoenzymes. Many malignant cancers with poor prognosis have shown overexpression of ubiquitous mitochondrial creatine kinase; this may be related to high energy turnover and failure to eliminate cancer cells via apoptosis. Ubiquitous mitochondrial creatine kinase has 80% homology with the coding exons of sarcomeric mitochondrial creatine kinase. Two genes located near each other on chromosome 15 have been identified which encode identical mitochondrial creatine kinase proteins. [provided by RefSeq]