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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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CKMT1B 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # : H00001159-T01

規格 : [100 uL]

List All

Specification

Transfected Cell Line: 293T

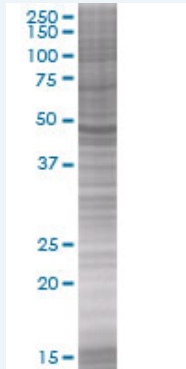
Plasmid: pCMV-CKMT1B full-length

Host: Human

Theoretical MW (kDa): 47

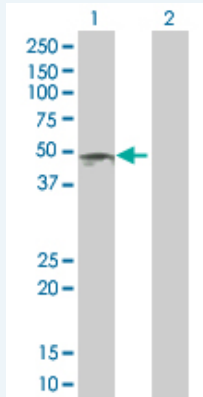
Quality Control Testing: Transient overexpression cell lysate was tested with Anti-CKMT1B antibody (H00001159-B01) by Western Blots.

SDS-PAGE Gel



CKMT1B transfected lysate

Western Blot



Lane 1: CKMT1B transfected lysate (47 KDa).

Lane 2: Non-transfected lysate.

Storage Buffer: 1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

MSDS:  [Download](#)

Applications

Application Image

Western Blot

Western Blot

Gene Information

Entrez GeneID: [1159](#)

GeneBank Accession#: [NM_020990](#)

Protein Accession#: [NP_066270](#)

Gene Name: CKMT1B

Gene Alias: CKMT,CKMT1,UMTCK

Gene Description: creatine kinase, mitochondrial 1B

Omim ID: [123290](#)

Gene Ontology: [Hyperlink](#)

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]

Other Designations: OTTHUMP00000066275,acidic-type mitochondrial creatine kinase,creatine kinase, mitochondrial 1 (ubiquitous),ubiquitous mitochondrial creatine kinase

Gene Pathway

[Arginine and proline metabolism](#) [Metabolic pathways](#)

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