

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### CKMT2/sMtCK (W262) Peptide

Cat No.: BS2260P

#### Background

CKMT2 belongs to the creatine kinase isoenzyme family, and is responsible for the transfer of high energy phosphate from mitochondria to the cytosolic carrier, creatine. It exists as two isoenzymes, sarcomeric CKMT2 and ubiquitous CKMT2, which are 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. Sarcomeric mitochondrial creatine kinase has 80% homology with the coding exons of ubiquitous mitochondrial creatine kinase. This gene contains sequences homologous to several motifs that are shared among some nuclear genes encoding mitochondrial proteins and thus may be essential for the coordinated activation of these genes during mitochondrial biogenesis. Three transcript variants encoding the same protein have been found for this gene.

#### Swiss-Prot

P17540

#### Applications

#### Blocking

#### Specificity

This peptide can be used with studies using BS2260 CKMT2/sMtCK (W262) pAb.

#### Purification & Purity

Synthetic peptide CKMT2/sMtCK (W262). (Note: the amino acid sequence is proprietary). The purity is > 98%.

#### Product

1 mg/ml in DI water.

#### Storage & Stability

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

#### Research Use

For research use only, not for use in diagnostic procedure.