

## Active Recombinant Rat Ckmt2 Protein, His-tagged

**Cat. No.** Ckmt2-1126R    **Lot. No.** (See product label)

### SPECIFICATION

|                             |                                                                                                                 |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>     | Recombinant rat Ckmt2 (NP_001121124.1) (Asp40-Lys419) was expressed with a polyhistidine tag at the N-terminus. |
| <b>Species</b>              | Rat                                                                                                             |
| <b>Source</b>               | E.coli                                                                                                          |
| <b>ProteinLength</b>        | 40-419 a.a.                                                                                                     |
| <b>Predicted N Terminal</b> | Met                                                                                                             |
| <b>Form</b>                 | Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.                                             |
| <b>Bio-activity</b>         | Kinase activity untested                                                                                        |
| <b>Molecular Mass</b>       | The recombinant rat Ckmt2 consists 398 amino acids and predicts a molecular mass of 45.6 kDa.                   |
| <b>Endotoxin</b>            | < 1.0 EU per µg of the protein as determined by the LAL method.                                                 |
| <b>Purity</b>               | >90 % as determined by SDS-PAGE.                                                                                |
| <b>Stability</b>            | Samples are stable for up to twelve months from date of receipt at -70°C.                                       |
| <b>Storage</b>              | Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be                         |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

**GENE INFORMATION**

**Gene Name** Ckmt2 creatine kinase, mitochondrial 2, sarcomeric [ Rattus norvegicus ]

**Official Symbol** Ckmt2

**Synonyms** CKMT2; creatine kinase, mitochondrial 2, sarcomeric;

**Gene ID** 117001

**mRNA Refseq**

**Protein Refseq**

**MIM**

**UniProt ID**

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA