

## Product datasheet for **BIN017**

### CKMM (Type 3) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	CKMM Type 3 human recombinant protein, 1 mg
Species:	Human
Expression Host:	Pichia pastoris
Concentration:	lot specific
Purity:	>95% pure by SDS-PAGE. Purified under non-denaturing conditions.
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: Tris-buffered saline (TBS), 10 mM beta-mercaptoethanol, 50% glycerol, pH 7.0-7.5 containing 0.09% Sodium Azide as preservative
Preparation:	Liquid purified protein
Applications:	Suitable for use in ELISA.
Protein Description:	Recombinant CK-MM Type 3. Recombinant Creatine Kinase MM (CK-MM) Type 3 Isoenzyme. Creatine Kinase MM isoenzyme with identical amino acid sequence to that of the native enzyme. CK-MM is a 47 kDa dimeric protein comprised of 2 identical subunits. Purified in the enzymatically active form. Reacts with polyclonal antibodies to MM isoenzyme in ELISA.
Note:	Caution: This product contains sodium azide, which has been classified as Xn (Harmful), in European Directive 67/548/EEC in the concentration range of 0.1–1.0%. When disposing of this reagent through lead or copper plumbing, flush with copious volumes of water to prevent azide build-up in drains.
Storage:	Store at -20° to -70°C. Aliquot to avoid multiple freeze/thaw cycles.
Stability:	Shelf life: six months from despatch.
RefSeq:	<a href="#">NP_001815</a>
Locus ID:	1158
UniProt ID:	<a href="#">P06732</a> , <a href="#">B2R892</a>
Cytogenetics:	19q13.32
Synonyms:	CKMM; CPK-M; M-CK



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**Summary:** The protein encoded by this gene is a cytoplasmic enzyme involved in energy homeostasis and is an important serum marker for myocardial infarction. The encoded protein reversibly catalyzes the transfer of phosphate between ATP and various phosphogens such as creatine phosphate. It acts as a homodimer in striated muscle as well as in other tissues, and as a heterodimer with a similar brain isozyme in heart. The encoded protein is a member of the ATP:guanido phosphotransferase protein family. [provided by RefSeq, Jul 2008]

**Protein Families:** Druggable Genome

**Protein Pathways:** Arginine and proline metabolism, Metabolic pathways