

Product datasheet for **BA1023**

CKMM Human Protein

Product data:

Product Type:	Native Proteins
Description:	CKMM human protein, 1 mg
Species:	Human
Protein Source:	Skeletal muscle
Concentration:	lot specific
Purity:	>95% > 95% by SDS-PAGE
Buffer:	Presentation State: Purified State: Liquid purified fraction. Buffer System: 25% (v/v) Ethylene Glycol, 10 mM Tris, 1 mM EDTA, pH 7.5, 5 mM Mercaptoethanol without preservatives.
Preparation:	Liquid purified fraction.
Protein Description:	CK-MM Antigen Grade Human Creatine Kinase, MM Isoenzyme Antigen Grade.
Note:	Caution: All human source materials have tested negative for HIV1, HIV2, HCV antibodies and HbsAg. No test guarantees a product to be non-infectious. Therefore, all material derived from human fluids or tissues should be considered as potentially infectious.
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001815
Locus ID:	1158
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