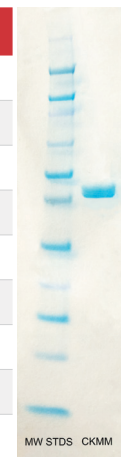


CREATINE KINASE MM (CKMM)

Source:	Human Skeletal Muscle
Form:	Liquid
Buffer:	TRIS buffer with 0.1% Sodium Azide at pH 7.0
Concentration:	≥5,000 IU/mL for Immunopure
Purity:	Immunopure is > 95% by SDS Page
Assay:	Assay performed on Roche Cobas c501
Storage:	2-8°C
Molecular Weight:	81,000-84,000 kDa
Appearance:	Clear, colorless



Associated Products: **Creatine Kinase BB (CKBB): Partially Purified, Purified and Immunopure**
Creatine Kinase MM (CKMB): Partially Purified, Purified and Immunopure
Myoglobin: Purified and Immunopure

Creatine Kinase MM (CKMM) is composed of two homodimers that make CK a dimeric enzyme. CKMM is measured in total CK and is found in serum, cardiac muscle, and primarily in skeletal muscle. It has an important role of diagnosing, monitoring, and assessing the carrier status of muscular dystrophy as well as diagnosing other muscle diseases such as polymyositis and dermatomyositis. Skeletal muscle is expressed as approximately 98% CKMM and 1% CKMB. In contrast, the myocardium heart muscle is expressed as 70% CKMM and approximately 30% CKMB. Muscle damage can temporarily increase CK levels. An increase in CK levels can be observed following strenuous activity or long exercise sessions. The more muscle mass a person may have, the higher the CK levels are in that person. For this reason, men usually have higher levels than women.