

Product datasheet for **BIN012**

CKMB Type 1 Protein

Product data:

Product Type:	Recombinant Proteins
Description:	CKMB Type 1 recombinant protein, 1 mg
Expression Host:	Pichia pastoris
Concentration:	lot specific
Purity:	>95% pure by SDS-PAGE. Purified under non-denaturing conditions.
Buffer:	Presentation State: Azide Free State: Liquid purified protein Buffer System: 0.02M Potassium phosphate, 1 mM DTT, 50% Glycerol, pH 5.0-6.0 Preservative: None
Preparation:	Liquid purified protein
Applications:	ELISA. Western blot.
Protein Description:	Recombinant CK-MB Type 1. Recombinant Creatine Kinase MB (CK-MB) Type 1. Recombinant full length Creatine Kinase MB isoenzyme without the C-terminal lysine on the M subunit. CK-MB is a dimeric protein comprised of M and B subunits. The doublet band migrating approximately 44 kDa is not resolved on most gels. Purified in the enzymatically active form. Reacts with monoclonal antibodies specific to MB isoenzyme in ELISA.
Storage:	Upon receipt, store (in aliquots) at -20°C to -80°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Summary:	Creatine phosphokinase, also known as creatine kinase (CK), is an enzyme expressed by various tissues and cell types. CK catalyses the conversion of creatine and consumes adenosine triphosphate (ATP) to create phosphocreatine and adenosine diphosphate (ADP). In cells, the cytosolic CK enzymes consist of two subunits, which can be either B (brain type) or M (muscle type). There are three different isoenzymes: CKMM, CKBB and CKMB.



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