

## **Certificate of Analysis**

Reason	for Submissic	on:	Release	Corrected	☐ An	nendment
LOT NU	JMBER:					
PRODUCT NAME:		Recombinant Creatine Kinase MB Isoenzyme Type I				
			terminal lysine on ring conditions.	nbinant full length Croad Michain produced in Reacts with monoclor	n <i>Pichia pa</i>	ustoris. Purified under
STORAGE:		Supplied frozen and should be stored at $-70^{\circ}$ C or below. Aliquots should be dispensed to avoid multiple freeze thaws.				
PACKAGING:		Supplied in cryovials or other suitable container. Vials are filled to contain the exact amount of protein stated on the label. Losses will occur when aliquoting.				
DATE (	OF MFG:					
EXPIRY DATE:		Greater than one year form date of receipt				
<b>I.</b> 1	BULK PROE Attrik			fication		Result
1.	Physical Characteristics		<i></i>			100000
1.1	Appearance		Colorless clear to slightly hazy solution			
1.2	Formulation		50 v/v% Glycero 20 mM Sodium 1.0 mM DTT, 1.	Phosphate,		
1.3	рН		7.5 - 8.5			

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	Attribute	Specification	Result
2	Identity / Purity		
2.1	Molecular Weight by SDS-PAGE	CKMB2 doublet band migrating about 47 kDa not resolved on most gels. Multiple impurity bands between 3 and 47 kDa visible with 2.5 ug loads not visible with 0.25 ug loads. Comparable to reference lot.	
3	Potency		
3.1	Protein Concentration by Coomassie Plus	$1-5 \text{ mg/ml} \pm 20\%$	
3.2	Enzymatic Activity Sigma Diagnositics Creatine phospho- kinase (CPK) procedure No. 45-UV 1 IU = 1 micromole creatine phosphate formed per minute	Greater than or equal to 500 IU/mg @ 37°C	
Commo	ents: All tests reported a	as pass	
	Date		

## NOT A FINISHED PRODUCT INTENDED FOR FURTHER MANUFACTURING PROCESSING ONLY

## BIOHAZARD INFORMATION No physical or health hazards under OSHA definitions (NOT HAZARDOUS)

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