

CKBB

Native Pig Creatine Kinase BB Isoenzyme

Catalog No.	CSI19640A CSI19640B	Quantity:	500 U 5 KU
Alternate Names:	CKBB, CPK-1		
Description:	Native Pig Creatine Kinase BB Isoenzyme		
Source:	Pig Brain		
Formulation:	Lyophilized powder from a solution in 5 mM Tris-Succinate Buffer + 1 mM EDTA + 1 mM DTE + 10mM NaCl.		
Purity:	100% CKBB, no CKMM or CKMB detected.		
Biological Activity:	One Unit will transfer one mmole of phosphate from creatine phosphate to ATP per minute 37°C. Measured at 340 nm as one equimolar amount of NADH produced by a coupled reaction.		
Specific Activity:	5000 units/vial		
Storage & Stability:	Store at -20°C. Avoid repeated freeze-thaw cycles.		
Background:	Creatine kinase BB isoenzyme is concentrated in the brain and lungs. Because the CKBB isoenzyme is predominately found in the brain and lungs, injury to either of these organs (for example, stroke or lung injury due to a pulmonary embolism) are associated with elevated levels of this isoenzyme.		
Application Notes:	Pig Creatin Kinase BB Isoenzyme can be used as a replacement for Human CKBB isoenzyme. It can also be used in a comparison between creatinine kinase brain isoenzyme (CKBB) activity and Sarnat score for prediction of adverse outcome following perinatal asphyxia.		

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