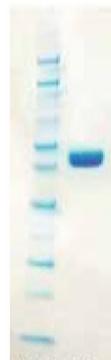


CKB

Native Human Creatine Kinase BB Isoenzyme (Brain)

Catalog No.	CSI14777	Quantity:	150 Units
Alternate Names:	Brain creatine kinase 1, B-CK, Creatine kinase B chain1 phosphokinase B-type, CPK-B		
Description:	<p>CK is a dimeric enzyme. There are two common gene products, one coding for the subunit (so named because of its predominance in muscle) and the other for the B subunit (so named because of its predominance in brain tissue). The three common forms of active CK include two homodimers and one heterodimer. There is a third gene product which results in the mitochondrial form of CK. The CK isoenzymes have different isoelectric points and thus can be identified by electrophoresis.</p> <p>CKBB is an important constituent of brain tissue, with measurement of CKBB in serum and other bodily fluids, a useful tool in the diagnosis and prognosis of brain pathologies. This includes physical injury, various types of cancer and neurodegenerative diseases such as Alzheimer's disease and CJD.</p>		
UniProt ID:	P12277		
Source:	Human Brain		
Molecular Weight:	81 - 84 kDa		
Concentration:	0.20 mg/ml prior to lyophilization, Pierce Microcoomassie		
Formulation:	Lyophilized from 1.0 ml containing 0.09% sodium azide		
Purity:	≥ 95% by SDS-PAGE, immunogen grade		
Biological Activity:	≥50 IU/ml @37°C by Roche, Cobas c501		
Specific Activity:	~750 IU/mg, lot specific		
Unit Definition:	One unit will transfer one micromole of phosphate from creatine phosphate to ADP per minute at 37°C		
Reconstitution:	Centrifuge vial briefly to consolidate protein. Add 1 ml water, mix gently and allow a few minutes to completely dissolve. DO NOT VORTEX. Use immediately.		
Storage & Stability:	Store as supplied at 2-8°C for up to 1 year. DO NOT FREEZE.		

CKBB 2 µg SDS-PAGE



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