

PRKCZ

Recombinant Human Protein Kinase C zeta Active GST-His

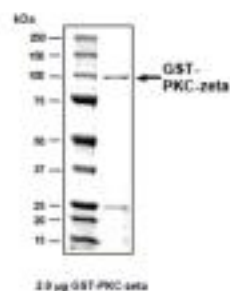
Catalog No.	CSI12246	Quantity:	50 µg
Alternate Names:	PKC-ZETA, PKC2		
Description:	Human PKC-zeta, Amino acids G ₆ -V ₅₈₄ (as in GenBank entry Z15108)*, N-terminally fused to GST-HIS ₆ -Thrombin cleavage site *Sequence may contain documented polymorphisms Detailed sequence on request		
Concentration:	0.181 µg/µl		
Gene ID:	5590		
Protein Accession No:	Z15108		
Source:	Baculovirus infected Sf9 cells		
Molecular Weight:	Theoretical MW _{Fusion Protein} : 96,654 Da		
Formulation:	50 mM Tris-HCl, pH 8.0 + 100 mM NaCl + 5 mM DTT + 15 mM reduced glutathione, 20% glycerol		
Purification:	One-step affinity purification using GSH-agarose		
Product Identity:	PKC-zeta was confirmed as PKC-zeta by specific Western Blotting using anti PKC-zeta antibody		
Specific Activity:	83 pmol/µg×min Method for determination of Km value and specific activity: • Assay conditions: 60 mM HEPES-NaOH, pH 7.5 3 mM MgCl ₂ 3 mM MnCl ₂ 1 mM CaCl ₂ 4 mM EDTA 3 µM Na-orthovanadate 5 µg / ml Phosphatidylserine 1 µg / ml 1,2 Dioleoyl-glycerol 1.2 mM DTT 50 µg / ml PEG _{20,000} ATP (variable) Substrate: PKC-derived peptide (R ₁₁ RFARKGSLRQKNV), 20 µg / ml Recombinant PKC-zeta: 4.0 µg / ml		



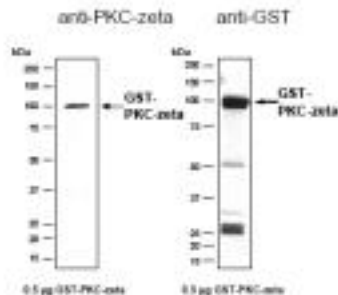
- Filter binding assay
MSPH membrane (Millipore)

Storage & Stability: Store in working aliquots at -80°C . **Avoid repeated freeze-thaw cycles.**

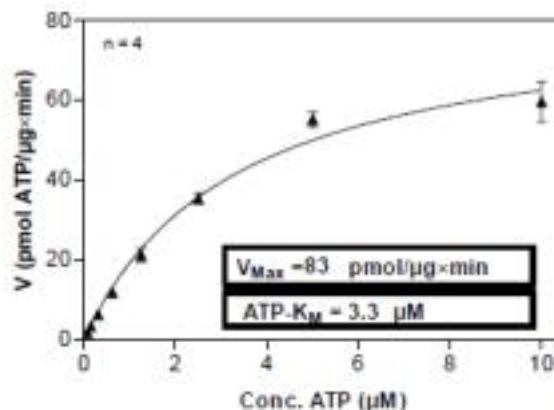
Coomassie stain:



Western blot analysis:



Determination of K_m value for ATP:



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