

PRKCE

Recombinant Human PRKCE/PKC epsilon Active GST-His

Catalog No.	CSI12241	Quantity:	50 µg
Alternate Names:	PKCE, nPKC-epsilon		
Description:	Human PKC-epsilon Amino acids M ₁ -P ₇₃₇ (as in GenBank entry NM_005400)*, N-terminally fused to GST-HIS ₆ -Thrombin cleavage site *Sequence may contain documented polymorphisms Detailed sequence on request		
Concentration:	0.366 µg/µl		
Gene ID:	5581		
Protein Accession No:	X07109		
Source:	Baculovirus infected Sf9 cells		
Molecular Weight:	Theoretical MW _{Fusion Protein} : 113,431 Da		
Formulation:	50 mM Tris-HCl, pH 8.0 + 100 mM NaCl + 5 mM DTT + 4 mM reduced glutathione, 20% glycerol		
Purification:	One-step affinity purification using GSH-agarose		
Product Identity:	PKC-epsilon was confirmed as PKC-epsilon by specific Western Blotting using anti PKC-epsilon antibody		
Specific Activity:	184 pmol/µg×min		

Method for determination of Km value and specific activity:

• Assay conditions:

60 mM HEPES-NaOH, pH 7.5

3 mM MgCl₂

3 mM MnCl₂

1 mM CaCl₂

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

(R₁₁RFARKGSLRQKNV), 10 µg / ml

Recombinant PKC-epsilon: 1.0 µg / ml

• Filter binding assay

MSPH membrane (Millipore)



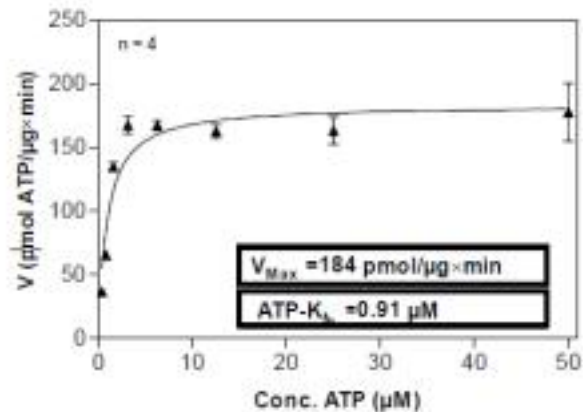
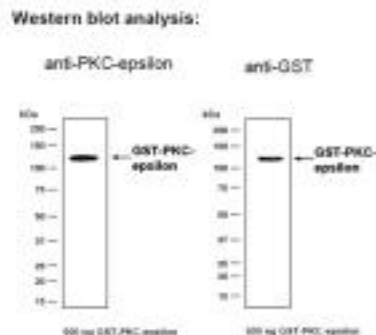
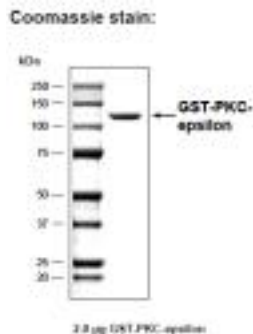
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Storage & Stability: Store in working aliquots at -80°C. **Avoid repeated freeze-thaw cycles.**

Determination of K_m value for ATP:



NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



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