

PRKCG

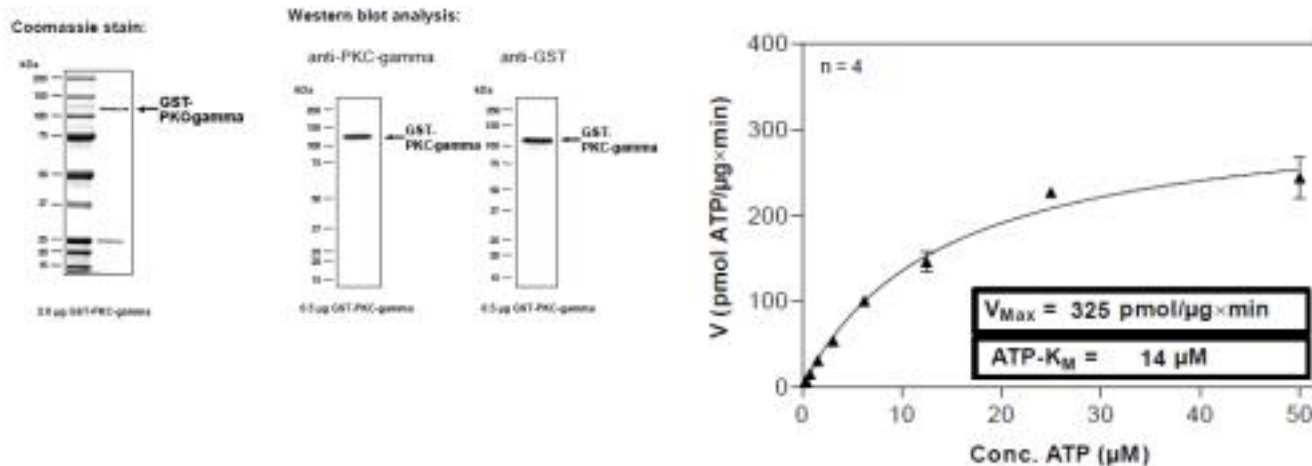
Recombinant Human PRKCG/PKC Gamma Active GST-His

Catalog No.	CSI12242	Quantity:	50 µg
Alternate Names:	PKC-gamma, PKCC, PKCG, SCA14		
Description:	Human PKC-epsilon Amino acids M ₁ -M ₆₉₇ (as in GenBank entry NM_002739.3)*, N-terminally fused to GST-HIS ₆ -Thrombin cleavage site *Sequence may contain documented polymorphisms Detailed sequence on request		
Concentration:	0.088 µg/µl		
Gene ID:	5581		
Protein Accession No:	NM_002739.3		
Source:	Baculovirus infected Sf9 cells		
Molecular Weight:	Theoretical MW _{Fusion Protein} : 112,289 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-gamma was confirmed as PKC-gamma by specific Western Blotting using anti PKC-gamma antibody		
Specific Activity:	325 pmol/µg×min Method for determination of Km value and specific activity: • Assay conditions: 60 mM HEPES-NaOH, pH 7.5 5 mM MgCl ₂ 1.32 mM CaCl ₂ 1 mM EDTA 1.25 mM EGTA 5.0 µg / ml Phosphatidylserine 1.0 µg / ml 1,2 Dioleoyl-glycerol 1.2 mM DTT 50 µg / 50 µl PEG _{20,000} ATP (variable) Substrate: PKC-derived peptide (R ₁₁ RFARKGSLRQKNV), 20 µg / ml Recombinant PKC-gamma: 400 ng / ml • Filter binding assay MSPH membrane (Millipore)		



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

Determination of K_m value for ATP:



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