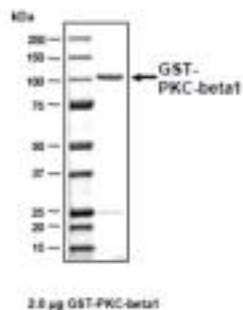


Recombinant Human PRKCB1/PKC beta 1 Active GST

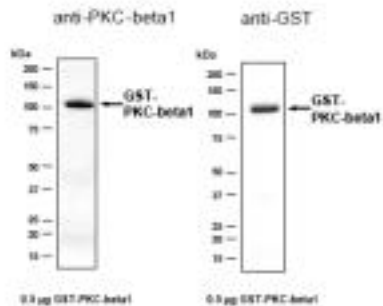
Catalog No.	CSI17144	Quantity:	50 µg
Description:	Human PKC-beta1, Amino acids M ₁ -V ₆₇₁ (as in GenBank entry NM_002738)*, N-terminally fused to GST-Thrombin cleavage site *Sequence may contain documented polymorphisms Detailed sequence on request		
Concentration:	0.217 µg/µl		
Protein Accession No:	NM_002738		
Source:	Baculovirus infected Sf9 cells		
Molecular Weight:	Theoretical MW _{Fusion Protein} : 103,517 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-beta1 was confirmed as PKC-beta1 by specific Western Blotting using anti PKC-beta1 antibody		
Specific Activity:	462 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 Diolel-glycerol 1.2 mM DTT 50 µg / ml PEG _{20,000} ATP (variable) Substrate: Histone H1, 20 µg / ml Recombinant PKC-beta1: 1.0 µg / ml • Filter binding assay MSFC membrane (Millipore)		
Storage & Stability:	Store in working aliquots at -80°C. Avoid repeated freeze-thaw cycles.		



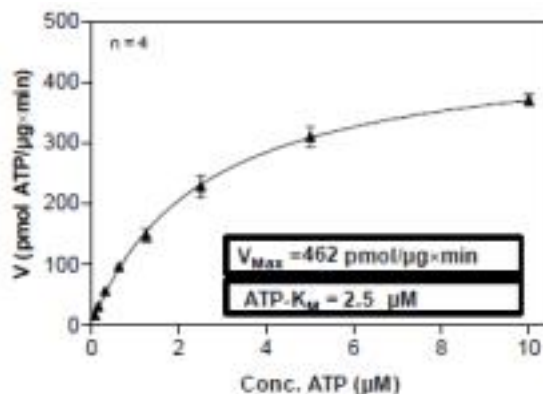
Coomassie stain:



Western blot analysis:



Determination of K_m value for ATP:



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Cell Sciences®
480 Neponset Street
Bldg 12A
Canton, MA 02021

Toll Free: 888-769-1246
Phone: 781-828-0610
Fax: 781-828-0542

E-mail: info@cellsciences.com
Website: www.cellsciences.com