

PRKCA

Recombinant Human Protein Kinase C alpha Active GST-His

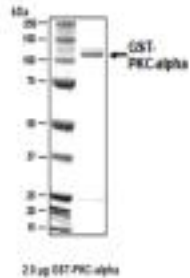
Catalog No.	CSI12238	Quantity:	50 µg
Alternate Names:	AAG6, MGC129900, MGC129901, PKC-alpha, PKCA, PRKACA, aging-associated gene 6, protein kinase C alpha type		
Description:	Human PKC-alpha, Amino acids M ₁ -V ₆₇₂ (as in GenBank entry NM_002737)*, N-terminally fused to GST-HIS ₆ -Thrombin cleavage site *Sequence may contain documented polymorphisms Detailed sequence on request		
Concentration:	0.170 µg/µl		
Gene ID:	5578		
Protein Accession No:	NM_002737		
Source:	Baculovirus infected Sf9 cells		
Molecular Weight:	Theoretical MW _{Fusion Protein} : 109,972 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-alpha was confirmed as PKC-alpha by specific Western Blotting using anti PKC-alpha antibody		
Specific Activity:	526 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: Histone H1, 20 µg / ml Recombinant PKC-alpha: 1.0 µg / ml		



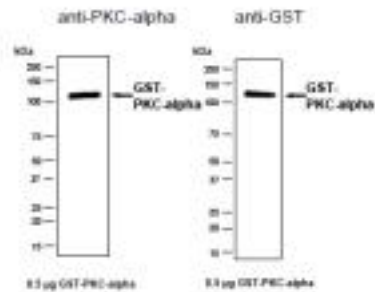
- Filter binding assay
MSFC membrane (Millipore)

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

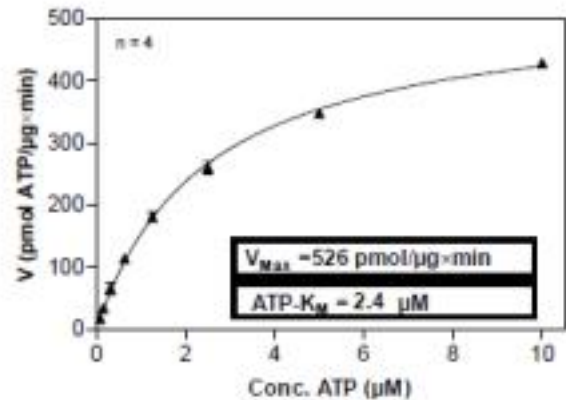
Coomassie stain:



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