



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC Handels GmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Product Information

Construct:	PKCβ1 (GST-2-end)
Concentration:	0.10 mg/ml
Species:	Human
Formulated In:	50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, 25% glycerol.
Expression System:	Sf9
Format:	Aqueous buffer solution
Stability:	At least 6 months at -80°C. Avoid freeze/thaw cycles.
Storage:	-80°C
Genbank Accession:	X06318
MW:	102 kDa
Purity:	80%
Specific Activity:	325 pmol/min/μg

Kinase activity was measured using a PKCtide peptide substrate (ERM RPRKRQGSVRRRV) diluted in distilled water at 1mg/ml.

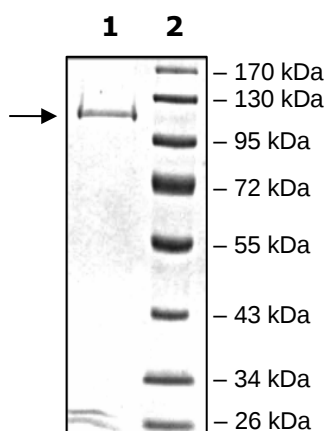
The protein kinase was diluted to 0.1 μg/μl in buffer containing 5 mM MOPS, pH 7.2, 2.5 mM β-glycero-phosphate, 5 mM MgCl₂, 1 mM EGTA, 0.4 mM EDTA and 0.05 mM fresh DTT. Increasing amounts of the protein kinase were mixed with 0.38 mg/ml substrate and a sonicated PKC lipid activator in 20 μl final volume. The blank was determined from a "no substrate" sample. The reaction was initiated by addition of 5 μl of [33P]-ATP diluted in kinase buffer: 6ml kinase buffer containing 1 mCi [33P]-ATP, 0.25 mM ATP, 25 mM MOPS, pH 7.2, 12.5 mM β-glycero-phosphate, 25 mM MgCl₂, 5 mM EGTA, 2 mM EDTA, and 0.25 mM fresh DTT.

After incubating for 30°C for 15 minutes, the reaction was terminated by spotting 20 μl of the mixture onto phosphocellulose paper strips that were fixed in 1% phosphoric acid and washed three times. Radioactivity was determined using a scintillation counter.

Applications: Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.

Quality Control Data

4-20% SDS-Page Coomassie Staining



Specific Activity

