

Product datasheet

PKC epsilon peptide ab204875

Description

Product name	PKC epsilon peptide
Animal free	No
Nature	Synthetic
Sequence	ERM ^R PRKRQGSVRRRV

Specifications

Our [Abpromise guarantee](#) covers the use of **ab204875** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	HPLC Functional Studies
Form	Lyophilized
Additional notes	ab204875 (PKC epsilon peptide) can be utilized as a substrate for the following active protein kinases:

- [ab60840](#) (Active human PKC beta 1 full length protein)
- [ab60847](#) (Active human PKC epsilon full length protein)
- [ab60842](#) (Active human PKC gamma full length protein)
- [ab60849](#) (Active human PKC eta full length protein)
- [ab56641](#) (Active human PKC theta full length protein)
- [ab84801](#) (Active human STK23 full length protein)
- [ab51413](#) (Active human MST3 protein fragment)
- [ab125551](#) (Active human JIK protein fragment)

Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at -20°C. Avoid freeze / thaw cycle.
Reconstitution	Dilute peptide in distilled water to a final concentration of 1 mg/ml. For optimal storage, aliquot diluted product into smaller quantities and store at recommended temperature.

General Info

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Function	This is calcium-independent, phospholipid-dependent, serine- and threonine-specific enzyme. PKC is activated by diacylglycerol which in turn phosphorylates a range of cellular proteins. PKC also serves as the receptor for phorbol esters, a class of tumor promoters.
Sequence similarities	Belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family. PKC subfamily. Contains 1 AGC-kinase C-terminal domain. Contains 1 C2 domain. Contains 2 phorbol-ester/DAG-type zinc fingers. Contains 1 protein kinase domain.
Domain	The C1 domain, containing the phorbol ester/DAG-type region 1 (C1A) and 2 (C1B), is the diacylglycerol sensor and the C2 domain is a non-calcium binding domain.
Post-translational modifications	Phosphorylation on Thr-566 by PDPK1 triggers autophosphorylation on Ser-729.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
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