

Product datasheet

Recombinant Human PKC epsilon protein ab151935

Description

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|-----------------------------------|---|--|
| Product name | Recombinant Human PKC epsilon protein | |
| Purity | > 95 % SDS-PAGE. ab151935 has purity greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE. 0.2 µM filtered. | |
| Endotoxin level | < 1.000 Eu/µg | |
| Expression system | Escherichia coli | |
| Accession | Q02156 | |
| Protein length | Protein fragment | |
| Animal free | No | |
| Nature | Recombinant | |
| Species | Human | |
| Sequence | QELEYGPSVDWWALGVLMYEMMAGQPPFEADNEDDLF ESILHDDVLYPVW LSKEAVSILKAFMTKNPHKRLGCVASQNGEDAIAKQHPFFK EIDWVLLLEQK KIKPPFKPRIKTKRDVNNFDQDFREEPVLTLVDEAVKQIN QEEFKGFS YFGEDLMP | |
| Predicted molecular weight | 18 kDa | |
| Amino acids | 580 to 737 | |
| Tags | His tag C-Terminus | |

Specifications

Our [Abpromise guarantee](#) covers the use of **ab151935** in the following tested applications.

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

| | |
|---------------------|------------------|
| Applications | HPLC SDS-PAGE |
| Form | Liquid |

Preparation and Storage

Stability and Storage Shipped at 4°C. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.

pH: 7.40

Constituents: 99% Phosphate Buffer, 0.02% DTT, 0.88% Sodium chloride

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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