

Product datasheet for **TP317702**

PKC epsilon (PRKCE) (NM_005400) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human protein kinase C, epsilon (PRKCE), 20 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC217702 representing NM_005400
Red=Cloning site **Green**=Tags(s)

MVVFNGLLKIKICEAVSLKPTAWSLRHAVGPRPQTFLDPYIALNVDDSRIGQTATKQKTNSPAWHDEFV
TDVCNGRKIELAVFHDAPIGYDDFVANCTIQFEELLQNGSRHFEDWIDLEPEGRVYVIIDLSGSSGEAPK
DNEERVFRERMRPRKRQGAVRRRVHQVNGHKFMATYLRQPTYCSHCRDFIWGVIGKQGYQCQVCTCW
HK
RCHELIITKCAGLKKQETPDQVGSQRFVSNMPHKFGIHNYKVPTFCDHCGSLLWGLLRQGLQCKVCKMN
V
HRRCETNVAPNCGVDARGIAKVLADLGVTDPKITNSGQRRKKLIAGAESPQPASGSSPSEEDRSKSAPTS
PCDQEIKELENNIRKALSFDNRGEEHRAASSPDGQLMSPGENGEVRQQAQRLGLDEFNFIKVLGKGSFG
KVMLAELKGKDEVYAVKVLKKDVLQDDVDCTMTKRILALARKHPYLTQLYCCFQTKDRLFFVMEYVN
GGDLMFQIQRSRKFDPRSRFYAAEVTSALMFLHQHGVYRDLKLDNILLDAEGHCKLADFGMCKEGILN
GVTTTTFCGTPDYIAPEILQELEYGPSVDWWALGVLMYEMMAGQPPFEADNEDDLFESILHDDVLYPVWL
SKEAVSILKAFMTKNPHKRLGCVASQNGEDAIAKQHPFFKEIDWVLEQKKIKPPFKPRIKTRDVNNFDQ
DFTREPVLTLLVDEAIVKQINQEEFKGFSYFGEDLMP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 83.5 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

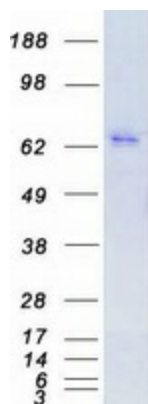
Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



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Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_005391
Locus ID:	5581
UniProt ID:	Q02156
RefSeq Size:	5537
Cytogenetics:	2p21
RefSeq ORF:	2211
Synonyms:	nPKC-epsilon; PKCE
Summary:	Protein kinase C (PKC) is a family of serine- and threonine-specific protein kinases that can be activated by calcium and the second messenger diacylglycerol. PKC family members phosphorylate a wide variety of protein targets and are known to be involved in diverse cellular signaling pathways. PKC family members also serve as major receptors for phorbol esters, a class of tumor promoters. Each member of the PKC family has a specific expression profile and is believed to play a distinct role in cells. The protein encoded by this gene is one of the PKC family members. This kinase has been shown to be involved in many different cellular functions, such as neuron channel activation, apoptosis, cardioprotection from ischemia, heat shock response, as well as insulin exocytosis. Knockout studies in mice suggest that this kinase is important for lipopolysaccharide (LPS)-mediated signaling in activated macrophages and may also play a role in controlling anxiety-like behavior. [provided by RefSeq, Jul 2008]
Protein Families:	Druggable Genome, Protein Kinase
Protein Pathways:	Fc epsilon RI signaling pathway, Fc gamma R-mediated phagocytosis, Tight junction, Type II diabetes mellitus, Vascular smooth muscle contraction

Product images:

Coomassie blue staining of purified PRKCE protein (Cat# TP317702). The protein was produced from HEK293T cells transfected with PRKCE cDNA clone (Cat# [RC217702]) using MegaTran 2.0 (Cat# [TT210002]).