

Product datasheet for TP321103

PDE4C (NM_001098819) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human phosphodiesterase 4C, cAMP-specific (phosphodiesterase E1 dunce homolog, Drosophila) (PDE4C), transcript variant 2, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC221103 representing NM_001098819 Red=Cloning site Green=Tags(s)

MQAPVPHSQRRRESFLYRSDSDYELSPKAMSRNSSVASDLHGEDMIVTPFAQVLAASLRTVRSNVAALARQQ
CLGAAKQGPVGNPSSSNQLPPAEDTGQKLALETLDLDWCLDQLETQLTRHSVGMASNKFKRILNRELT
HLSETSRSGNQVSEYISRTFLDQQTEVELPKVTAEEAPQPMSRISGLHGLCHSASLSSATVPRFGVQTDQ
EEQLAKELEDTNKWGLDVFKVAELSGNRPLTAIIFSIFQERDLLKTFQIPADTLATYLLMLEGHYHANVA
YHNSLHAADVAQSTHVLLATPALEAVFTDLEILAALFASAIHDVDHDPGVSNQFLINTNSELALMYNDASV
LENHHLAVGFKLLQAENCDIFQNLQNSAKQRLSLRRMVIDMVLATDMSKHMNLLADLKTMTVETKKVTSLGVL
LLDNYSDRIQVLQNLVHCADLSNPTKPLPLYRQWTRDRIAEFFQGGDRERESGLDISPMCDKHTASVEKS
QVGFIDYIAHPLWETWADLVHPDAQDLLDTLEDNREWYQSKI PRSPDLTNPERDGPDRFQFELTLEEAE
EEDEEEEEEGEETALAKEALELPDTELLSPEAGPDPGDLPLDNQRT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	67.6 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.
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.



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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_001092289](#)

Locus ID: 5143

UniProt ID: [Q08493](#), [Q32MM7](#), [Q7KYS4](#), [Q08493-2](#)

RefSeq Size: 5124

Cytogenetics: 19p13.11

RefSeq ORF: 1818

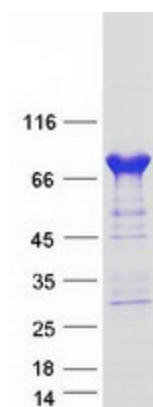
Synonyms: DPDE1; PDE21

Summary: The protein encoded by this gene belongs to the cyclic nucleotide phosphodiesterase (PDE) family, and PDE4 subfamily. This PDE hydrolyzes the second messenger, cAMP, which is a regulator and mediator of a number of cellular responses to extracellular signals. Thus, by regulating the cellular concentration of cAMP, this protein plays a key role in many important physiological processes. Alternatively spliced transcript variants encoding different isoforms have been described for this gene.[provided by RefSeq, Jul 2011]

Protein Families: Druggable Genome

Protein Pathways: Progesterone-mediated oocyte maturation, Purine metabolism

Product images:



Coomassie blue staining of purified PDE4C protein (Cat# TP321103). The protein was produced from HEK293T cells transfected with PDE4C cDNA clone (Cat# [RC221103]) using MegaTran 2.0 (Cat# [TT210002]).