

Product datasheet for **TP311676L**

PKC mu (PRKD1) (NM_002742) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Recombinant protein of human protein kinase D1 (PRKD1), 1 mg
Species: Human
Expression Host: HEK293T
Expression cDNA Clone or AA Sequence: >RC211676 representing NM_002742
Red=Cloning site **Green**=Tags(s)

MSAPPVLRPPSPLLVAIAAAAAAAAAALVPGSGPGPAPFLAPVAAPVGGISFHLQIGLSREPVLLLQDSSG
DYSLAHVREMACSIVDQKFPECGFYGMYDKILLFRHDPTSENILQLVKAASDIQEGDLIEVLSASATFE
DFQIRPHALFVHSYRAPAFCDHCGEMLWGLVRQGLKCEGCLNYHKRCAFKIPNNCSGVRRLSNVSLT
GVSTIRTSAPDEPLLQKSPSEFIGREKRSNSQSYIGRPIHLDKILMSKVVPHTFVIHSYTR
PTVCQYCKLLKGLFRQGLQCKDCRFNCHKRCAPKVPNNCLGEVTINGDLLSPGAESDVMEEGSDNDNS
ERNSGLMDDMEEAMVQDAEMAMAECQNDSGEMQDPDPDHEDANRTISPSTSNIPLMRVVQSVKHTKRKS
STVMKEGWMVHYTSKDTLRKRHYWRLDSKCITLQNDTGSRYEKEIPLSEILSLEPVKTSALIPNGANPH
CFEITANVYVYVGENVNPSSPSPNNSVLTSGVGADVARMWEIAIQHALMPVIPKGSVGTGTNLHRDI
SVSISVSNQCQIQENVDISTVYQIFPDEVLGSGQFGIVYGGKHKRKTGRDVAIKIIDKLRFPKQESQLRNE
VAILQNLHHPGWNLECMFETPERVFVMEKLGDMLEMILSSEKGRLEPEHITKFLITQILVALRHLHFK
NIVHCDLKPENVLLASADPFQVKLCDFGFARIIGEKSFRRSVVGTTPAYLAPEVLRNKGYNRSLDMWVSVG
VIIYVSLSGTFPFNEDEDIHDQIQNAAFMYPNPWKEISHEAIDLINLLQVKMRKRYSDKTLSPWLQ
DYQTWLDRLECKIGERYITHESDDLWEKYAGEQGLQYPTHLINPSASHSDTPETEETEMKALGERVS
IL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

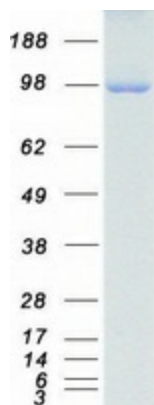
Tag: C-Myc/DDK
Predicted MW: 101.5 kDa
Concentration: >0.05 µg/µL as determined by microplate BCA method
Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation: Recombinant protein was captured through anti-DDK affinity 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_002733
Locus ID:	5587
UniProt ID:	Q15139
RefSeq Size:	3742
Cytogenetics:	14q12
RefSeq ORF:	2736
Synonyms:	CHDED; PKC-MU; PKCM; PKD; PRKCM
Summary:	The protein encoded by this gene is a serine/threonine protein kinase involved in many cellular processes, including Golgi body membrane integrity and transport, cell migration and differentiation, MAPK8/JNK1 and Ras pathway signaling, MAPK1/3 (ERK1/2) pathway signaling, cell survival, and regulation of cell shape and adhesion. [provided by RefSeq, Jan 2017]
Protein Families:	Druggable Genome, Protein Kinase

Product images:



Coomassie blue staining of purified PRKD1 protein (Cat# [TP311676]). The protein was produced from HEK293T cells transfected with PRKD1 cDNA clone (Cat# [RC211676]) using MegaTran 2.0 (Cat# [TT210002]).