

Product datasheet for **TP321442M**

Protein Kinase D2 (PRKD2) (NM_001079880) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Recombinant protein of human protein kinase D2 (PRKD2), transcript variant 2, 100 µg
Species: Human
Expression Host: HEK293T
Expression cDNA Clone or AA Sequence: >RC221442 representing NM_001079880
Red=Cloning site **Green**=Tags(s)

MATAPSYAGLPGSPGPGSPPPPGGLELQSPPLLPQIPAPGSGVSFHIQIGLTREFVLLPAASELAHVK
QLACSIVDQKFPECGFYGLYDKILLFKHDPTSANLLQLVRSSGDIQEGDLVEVWLSASATFEDFQIRPHA
LTVHSYRAPAFCDHCGEMLFGLVRQGLKCDGCLNYHKRCAFSIPNNCSGARKRRLSSTSLASGHSVRLG
TSESLPCTAEELSRSTTELLPRRPPSSSSSSASSYTRPIELDKMLLSKVKVPHTFLIHSYTRPTVCQA
CKKLLKGLFRQGLQCKDCKFNCHKRCATRVPNDCLEALINGDVPMEEATDFSEADKSALMDESEDSGVI
PGSHSENALHASEEEEEGEGGKAQSSLGYIPLMRVVQSVRHTRKSTTLREGWVHYSNKDTLRKRHYWR
LDCKCITLFQNNNTNRYKIEPLSEILTVESAQNFLVPPGTNPHCFEIVTANATYFVGEMPPGGTGGPS
GQGAEAARGWETAIRQALMPVILQDAPSAPGHAPHRQASLSISVSNSQIQENVDIATVYQIFPDEVLGSG
QFGVVYGGKHKRKTGRDVAVKVIDKLRFPKQESQLRNEVAILQSLRHPGIVNLECMFETPEKVFVMEKL
HGDMLEMILSSEKGRLEPERLTKFLITQILVALRHLHFKNIVHCDLKPENVLLASADPPQVKLCDFGFAR
IIGKSFRRSVVGTAPYLAPEVLLNQGYNRSLDMWSVGVIMYVSLSGTFPFNEDEDINDQIQNAAFMYPA
SPWSHISAGAILINLLQVKMRKRYSDKSLSHPWLQEYQTWLDLRELEGKMGERYITHESDDARWEQF
AAEHPLPGSGLPTDRDLGGACPPQDHMQGLAERISVL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK
Predicted MW: 96.5 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_001073349](#)

Locus ID: 25865

UniProt ID: [Q9BZL6](#)

RefSeq Size: 3338

Cytogenetics: 19q13.32

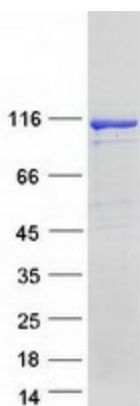
RefSeq ORF: 2634

Synonyms: HSPC187; nPKC-D2; PKD2

Summary: The protein encoded by this gene belongs to the protein kinase D (PKD) family of serine/threonine protein kinases. This kinase can be activated by phorbol esters as well as by gastrin via the cholecystokinin B receptor (CCKBR) in gastric cancer cells. It can bind to diacylglycerol (DAG) in the trans-Golgi network (TGN) and may regulate basolateral membrane protein exit from TGN. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome, Protein Kinase

Product images:



Coomassie blue staining of purified PRKD2 protein (Cat# [TP321442]). The protein was produced from HEK293T cells transfected with PRKD2 cDNA clone (Cat# [RC221442]) using MegaTran 2.0 (Cat# [TT210002]).