

Product datasheet for TP315335

OriGene Technologies, Inc.

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Protein Kinase D2 (PRKD2) (NM_016457) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human protein kinase D2 (PRKD2), transcript variant 1, 20 μg

Species: Human
Expression Host: HEK293T

Expression cDNA Clone >RC215335 representing NM_016457 **or AA Sequence:** Red=Cloning site Green=Tags(s)

MATAPSYPAGLPGSPGPGSPPPPGGLELQSPPPLLPQIPAPGSGVSFHIQIGLTREFVLLPAASELAHVK
QLACSIVDQKFPECGFYGLYDKILLFKHDPTSANLLQLVRSSGDIQEGDLVEVVLSASATFEDFQIRPHA
LTVHSYRAPAFCDHCGEMLFGLVRQGLKCDGCGLNYHKRCAFSIPNNCSGARKRRLSSTSLASGHSVRLG
TSESLPCTAEELSRSTTELLPRRPPSSSSSSSSSSYTGRPIELDKMLLSKVKVPHTFLIHSYTRPTVCQA
CKKLLKGLFRQGLQCKDCKFNCHKRCATRVPNDCLGEALINGDVPMEEATDFSEADKSALMDESEDSGVI

PGSHSENALHASEEEEGEGGKAQSSLGYIPLMRVVQSVRHTTRKSSTTLREGWVVHYSNKDTLRKRHYWR LDCKCITLFQNNTTNRYYKEIPLSEILTVESAQNFSLVPPGTNPHCFEIVTANATYFVGEMPGGTPGGPS GQGAEAARGWETAIRQALMPVILQDAPSAPGHAPHRQASLSISVSNSQIQENVDIATVYQIFPDEVLGSG QFGVVYGGKHRKTGRDVAVKVIDKLRFPTKQESQLRNEVAILQSLRHPGIVNLECMFETPEKVFVVMEKL HGDMLEMILSSEKGRLPERLTKFLITQILVALRHLHFKNIVHCDLKPENVLLASADPFPQVKLCDFGFAR IIGEKSFRRSVVGTPAYLAPEVLLNQGYNRSLDMWSVGVIMYVSLSGTFPFNEDEDINDQIQNAAFMYPA SPWSHISAGAIDLINNLLQVKMRKRYSVDKSLSHPWLQEYQTWLDLRELEGKMGERYITHESDDARWEQF

AAEHPLPGSGLPTDRDLGGACPPQDHDMQGLAERISVL

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 057541

 Locus ID:
 25865

 UniProt ID:
 Q9BZL6

 RefSeq Size:
 2883

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

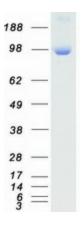
gastrin via the cholecystokinin B receptor (CCKBR) in gastric cancer cells. It can bind to

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# TP315335). The protein was produced from HEK293T cells transfected with PRKD2 cDNA clone (Cat# [RC215335]) using MegaTran 2.0 (Cat# [TT210002]).