

Product datasheet for **TP315335L**

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, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC215335 representing NM_016457 Red =Cloning site Green =Tags(s)

MATAPSYAGLPGSPGPGSPPPPGGLELQSPPLLPQIPAPGSGVSFHIQIGLTREFVLLPAASELAHVK
QLACSIVDQKFPECGFYGLYDKILLFKHDPTSANLLQLVRSSGDIQEGDLVEVWLSASATFEDFQIRPHA
LTVHSYRAPAFCDHCGEMLFGLVRQGLKCDGCLNYHKRCAFSIPNNCSGARKRRLSSTSLASGHSVRLG
TSESLPCTAEELSRSTTELLPRRPPSSSSSSASSYTGRPIELDKMLLSKVKVPHTFLIHSYTRPTVCQA
CKKLLKGLFRQGLQCKDCKFNCHKRCATRVPNDCLEALINGDVPMEEATDFSEADKSALMDESEDSGVI
PGSHSENALHASEEEEEGEGGKAQSSLGYIPLMRVVQSVRHTRKSTTLREGWVWHYSNKDTLRKRHYWR
LDCKCITLFQNNTTNRYKKEIPLSEILTVESAQNFSLVPPGTNPHCFEIVTANATYFVGEMPPGGTTPGGPS
GQGAEAARGWETAIRQALMPVILQDAPSAPGHAPHRQASLSISVSNSQIQENVDIATVYQIFPDEVLGSG
QFGVVYGGKHKRKTGRDVAVKVIDKLRFPKQESQLRNEVAILQSLRHPGIVNLECMFETPEKVFVMEKL
HGDMLEMILSSEKGRLEPERLTKFLITQILVALRHLHFKNIVHCDLKPENVLLASADPFQVKLCDGFGAR
IIGKESFRRSVVGTAPYLAPVLLNQGYNRSLDMWSVGVIMYVLSLGTFFNEDEDINDQIQNAAFMYPA
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_057541](#)

Locus ID: 25865

UniProt ID: [Q9BZL6](#)

RefSeq Size: 2883

Cytogenetics: 19q13.32

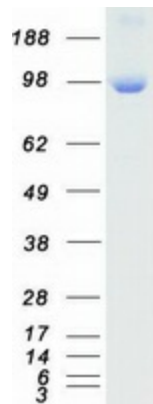
RefSeq ORF: 2634

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]).