

## Product datasheet for TP315335M

### 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, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC215335 representing NM_016457 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MATAPSYAGLPGSPGPGSPPPPGGLELQSPPLLPQIPAPGSGVSFHIQIGLTREFVLLPAASELAHVK  
QLACSIVDQKFPECGFYGLYDKILLFKHDPTSANLLQLVRSSGDIQEGDLVEVWLSASATFEDFQIRPHA  
LTVHSYRAPAFCDHCGEMLFGLVRQGLKCDGCLNYHKRCAFSIPNNCSGARKRRLSSTSLASGHSVRLG  
TSESLPCTAEELSRSTTELLPRRPPSSSSSSASSYTGRPIELDKMLLSKVKVPHTFLIHSYTRPTVCQA  
CKKLLKGLFRQGLQCKDCKFNCHKRCATRVPNDCLEALINGDVPMEEATDFSEADKSALMDESEDSGVI  
PGSHSENALHASEEEEEGEGGKAQSSLGYIPLMRVVQSVRHTRKSTTLREGWVHYSNKDTLRKRHYWR  
LDCKCITLFQNNTTNRYKIEPLSEILTVESAQNFLVPPGTNPHCFEIVTANATYFVGEMPPGGTGGPS  
GQGAEAARGWETAIRQALMPVILQDAPSAPGHAPHRQASLSISVSNSQIQENVDIATVYQIFPDEVLGSG  
QFGVVYGGKHKRKTGRDVAVKVIDKLRFPKQESQLRNEVAILQSLRHPGIVNLECMFETPEKVFVMEKL  
HGDMLEMILSSEKGRLEPERLTKFLITQILVALRHLHFKNIVHCDLKPENVLLASADPFQVKLCDFGFAR  
IIGKESFRRSVVGTAPYLAPEVLLNQGYNRSLDMWSVGVIMYVLSLGTFFNEDEDINDQIQNAAFMYPA  
SPWSHISAGAILINLLQVKMRKRYSDKSLSHPWLQEYQTWLDLRELEGKMGERYITHESDDARWEQF  
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

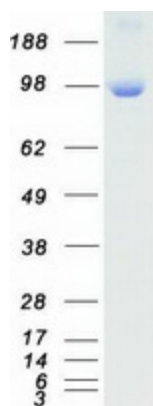
**RefSeq ORF:** 2634

**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]).