

Product datasheet for PH321498

Protein Kinase D2 (PRKD2) (NM_001079881) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PRKD2 MS Standard C13 and N15-labeled recombinant protein (NP_001073350)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC221498
Predicted MW:	96.5 kDa
Protein Sequence:	>RC221498 representing NM_001079881 Red=Cloning site Green=Tags(s)

MATAPSYAGLPGSPGPGSPPPPGGLELQSPPLLPQIPAPGSGVSFHIQIGLTREFVLLPAASELAHVK
QLACSIVDQKFPECIFYGLYDKILLFKHDPTSANLLQLVRSSGDIQEGDLVEVVLASATFEDFQIRPHA
LTVHSYRAPAFCDHCGEMLFGLVRQGLKCDGCLNYHKRCAFSIPNNCSGARKRRLSSTSLASGHSVRLG
TSESLPCTAEELSRSTTELLPRRPPSSSSSSASSYTGRPIELDKMLLSKVVPHTFLIHSYTRPTVCQA
CKKLLKGLFRQGLQCKDCKFNCHKRCATRPNDCLGEALINGDVPMEEATDFSEADKSALMDESEDSGVI
PGSHSENALHASEEEEEGEGGKAQSSLGYIPLMRVVQSVRHTTRKSSSTTLREGWVVHYSNKDTRLKRHYWR
LDCKCITLQNNNTNRYKEIPLSEILTVESAQNFSLVPPGTNPHCFEIVTANATYFVGEMPGGTPGGPS
GQGAEAARGWETAIRQALMPVILQDAPSAPGHAPHRQASLSISVSNSQIQENVDIATVYQIFPDEVLGSG
QFGVVYGGKHKRTGRDVAVKVIDKLRFPKQESQLRNEVAILQSLRHPGIVNLECMFETPEKVFVMEKL
HGDMLEMILSSEKGRPERLTKFLITQILVALRHLHFKNIVHCDLKPENVLLASADFPQVKLCDGFGAR
IIGKSFRRSVVGTAYLAPEVLLNQGYNRSLDMWSVGVIMYVSLSGTFPFNEDEDINDQIQNAAFMYPA
SPWSHISAGAIDLINLLQVKMRKRYSDKSLSHPWLQEQYQTLWDLRELEKMGERYITHESSDARWEQF
AAEHPLPGSGLPTDRDLGGACPPQDHDMDQGLAERISVL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.



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RefSeq: [NP_001073350](#)

RefSeq Size: 3202

RefSeq ORF: 2634

Synonyms: HSPC187; nPKC-D2; PKD2

Locus ID: 25865

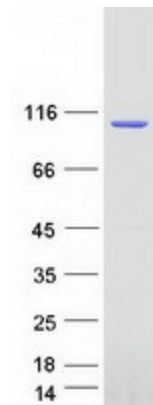
UniProt ID: [Q9BZL6](#)

Cytogenetics: 19q13.32

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 cholecystinin 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# [TP321498]). The protein was produced from HEK293T cells transfected with PRKD2 cDNA clone (Cat# [RC221498]) using MegaTran 2.0 (Cat# [TT210002]).