

Recombinant Human PRKD2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PRKD2-6472H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PRKD2 MS Standard C13 and N15-labeled recombinant protein (NP_001073350) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	96.5 kDa
AA Sequence	MATAPSYAGLPGPSPPPPGGLELQSPPPLLPQIPAPGSGVSFHIQIGLTREF VLLPAASELAHVKQLACSIVDQKFPECGFYGLYDKILLFKHDPTSANLLQLVRSSGDI QEGDLVEVVLSASATFEDFQIRPHALTVHSYRAPAFCDHCGEMLFGLVRQGLKCDG CGLNYHKRCAFSIPNNCSGARKRRLSSTSLASGHSVRLGTSESLPCTAEELSRSTTE LLPRRPPSSSSSSSASSYTGRPIELDKMLLSKVVPHTFLIHSYTRPTVCQACKKLLK GLFRQGLQCKDCKFNCHKRCATRVPNDCLEALINGDVPMEETDFSEADKSALM DESEDSGVIPGSHSENALHASEEEEEGEGGKAQSSLGYIPLMRVVQSVRHTTRKSST

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TLREGWVVHYSNKDTRLKRHYWRLDCKCITLFQNNTTNRYYYKEIPLSEILTVESAQN
 FSLVPPGTNPHCFEIVTANATYFVGEMPPGGTGGPSGQGAEEAARGWETAIRQALM
 PVILQDAPSAPGHAPHRQASLSISVSNSQIQENVDIATVYQIFPDEVLGSGQFGVVYG
 GKHRKTGRDVAVKVIDKLRFPKQESQLRNEVAILQSLRHPGIVNLECMFETPEKVF
 VVMEKLHGDMLEMILSSEKGR LPERLT KFLITQILVALRHLHFKNIVHCDLKPENVLLA
 SADPPQVKLCDFGFARIIGEKSFRRSVVGTPAYLAPEVLLNQGYNRS LDMW SVGVI
 MYVSLSGTFFNEDEDINDQIQNAAFMYPASPSHISAG AIDLINLLQVKMRKRYS
 VDKSLSHPW LQEYQTWLDLRELEGKMGERYITHESDDARWEQFAAEHPLPGSGLP
 TDRDLGGACPPQDHDMQGLAERISVLTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name PRKD2 protein kinase D2 [Homo sapiens (human)]

Official Symbol PRKD2

Synonyms PRKD2; protein kinase D2; serine/threonine-protein kinase D2; DKFZP586E0820; HSPC187; PKD2; nPKC-D2;

Gene ID 25865

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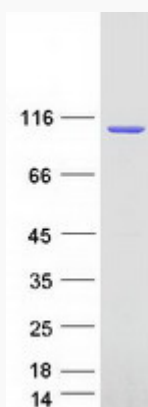
mRNA Refseq [NM_001079881](#)

Protein Refseq [NP_001073350](#)

MIM [607074](#)

UniProt ID [Q9BZL6](#)

SDS-PAGE



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