

Recombinant Human PRKG2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PRKG2-5332H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PRKG2 MS Standard C13 and N15-labeled recombinant protein (NP_006250) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a protein that belongs to the serine/threonine protein kinase family of proteins. The encoded protein binds to and inhibits the activation of several receptor tyrosine kinases. The membrane-bound protein is a regulator of intestinal secretion, bone growth and renin secretion. Alternate splicing results in multiple transcript variants encoding distinct isoforms whose regulatory N-termini differ in length but whose C-terminal catalytic domains are identical.
Molecular Mass	87.3 kDa
AA Sequence	MGNGSVKPKHSHKHPDGHSGNLTTDALRNKVTELERELRRKDAEIQEREYHLKELRE QLSKQTVIAIAELTEELQNKCIQLNKLQDVVHMQGGSPLQASPKVPLEVHRKTSGLV SLHSRRGAKAGVSAEPTTRTYDLNKPPEFSFEKARVRKDSSEKKLITDALNKNQFLK RLDPQQIKDMVECMYGRNYQQGSYIIKQGEPGNHIFVLAEGRLEVFQGEKLLSSIPM WTTFGELAILYNCTRTASVKAITNVKTWALDREVFQNMRRRTAQARDEQYRNFLRSV SLLKNLPEDKLTKIIDCLEVEYYDKGDYIIREGEEGSTFFILAKGKVKVTQSTEGHDQP QLIKTLQKGEYFGEKALISDDVRSANIIAEENDVACLVIDRETFNQTVGTFEELQKYLE

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GYVANLNRDDEKRRHAKRSMNSWKLSKALSLEMIQLKEKVARFSSSSPFQNLIIATL
 GVGGFGRVELVKVKNENVAFAMKCIRKKHIVDTKQQEHVYSEKRILEELCSPFIVKLY
 RTFKDNKYVYMLLEACLGELWSILDRGSFDEPTSKFCVACVTEAFDYLHRLGIIYR
 DLKPENLILDAEGYLKLVDFGFAKKIGSGQKTWTFCTPEYVAPEVILNKGHDFSVDV
 WSLGILVYELLTGNPPFSGVDQMMTYNLILKGIEKMDFFPRKITRRPEDLIRRLCRQNP
 TERLGNLKNGINDIKKHRWLNNGFNWEGLKARSLPSPLQRELKGPIDHSYFDKYPPEK
 GMPPDELSGWDKDFTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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 PRKG2 protein kinase cGMP-dependent 2 [Homo sapiens (human)]

Official Symbol PRKG2

Synonyms PRKG2; protein kinase, cGMP-dependent, type II; cGMP-dependent protein kinase 2; cGKII; PRKGR2; cGK2; cGK 2; cGMP-dependent protein kinase II;

Gene ID 5593

mRNA Refseq NM_006259

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Protein Refseq NP_006250

MIM 601591

UniProt ID Q13237

SDS-PAGE



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