

## Product datasheet for **TP315879**

### CGK2 (PRKG2) (NM\_006259) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human protein kinase, cGMP-dependent, type II (PRKG2), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC215879 representing NM_006259 <span style="color: red;">Red</span> =Cloning site <span style="color: green;">Green</span> =Tags(s)

MGNGSVKPKHSHKHPDGHSGNLTDDALRNKVTELERELRRKDAEIQEREYHLKELREQLSKQTVAIAELTE  
 ELQNKCIQLNKLQDVVHMQGGSPLQASPDKVPLEVHRKTSGLVSLHSRRGAKAGVSAEPTTRTYDLNKP  
 P

EFSFEKARVRKDSSEKKLITDALNKNQFLKRLDPQQIKDMVECMYGRNYQQGSYIIKQGEPGNHIFVLAE  
 GRLEVFQGEKLLSSIPMWTTFGELAILYNCTRTASVKAITNVKTWALDREVFQNMRRTAQARDEQYRNF  
 LRSVSLLKNLPEDKLTKIIDCLEVEYYDKGDYIIREGEEGSTFFILAKGKVKVTQSTEGHDQPQLIKTLQ  
 KGEYFGEKALISDDVRSANIIAEENDVACLVIDRETFFNQTVGTFEELQKYLEGYVANLNRDDEKRRHAKRS  
 MSNWKLSKALSLEMIQLKEKVARFSSSPFQNLLEIATLGVGGFGRVELVKVNENVAFAMKCIRKKHIV  
 DTKQQEHVYSEKRILEELCSPFIVKLYRTFKDNKYVYMLLEACLGGELWSILRDRGSFDEPTSKFCVACV  
 TEAFDYHLHRLGIIYRDLKPENLILDAEGYLKLVDGFAKKIGSGQKTWTFCGTPEYVAPEVILNKGHDFS  
 VDFWSLGILVYELLTGNPPFSGVDQMMTYNLILKGIEKMDFPKRITRRPEDLIRRLCRQNPTERLGNLKN  
 GINDIKKHRWLNFGFNWEGLKARSLPSPLQRELKGPIDHSYFDKYPPEKGMPPDELSGWDKDF

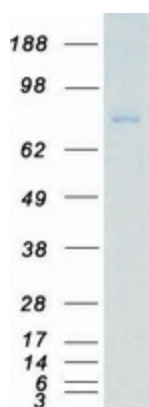
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	87.3 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.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.


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<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_006250</a>
<b>Locus ID:</b>	5593
<b>UniProt ID:</b>	<a href="#">Q13237</a>
<b>RefSeq Size:</b>	3328
<b>Cytogenetics:</b>	4q21.21
<b>RefSeq ORF:</b>	2286
<b>Synonyms:</b>	cGK2; cGKII; PKG2; PRKGR2
<b>Summary:</b>	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. [provided by RefSeq, May 2018]
<b>Protein Families:</b>	Druggable Genome, Protein Kinase
<b>Protein Pathways:</b>	Gap junction, Long-term depression, Olfactory transduction

### Product images:



Coomassie blue staining of purified PRKG2 protein (Cat# TP315879). The protein was produced from HEK293T cells transfected with PRKG2 cDNA clone (Cat# [RC215879]) using MegaTran 2.0 (Cat# [TT210002]).