

## Product datasheet for **KN205437LP**

### CAMK2G Human Gene Knockout Kit (CRISPR)

#### Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 Luciferase-Puro donor, 1 scramble control
Donor DNA:	Luciferase-Puro
Symbol:	CAMK2G
Locus ID:	818
Components:	<p><b>KN205437G1</b>, CAMK2G gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)</p> <p><b>KN205437G2</b>, CAMK2G gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)</p> <p><b>KN205437LPD</b>, donor DNA containing left and right homologous arms and Luciferase-Puro functional cassette.</p> <p><b>GE100003</b>, scramble sequence in pCas-Guide vector</p>
RefSeq:	<p><a href="#">NM_001204492</a>, <a href="#">NM_001222</a>, <a href="#">NM_001320898</a>, <a href="#">NM_172169</a>, <a href="#">NM_172170</a>, <a href="#">NM_172171</a>,  <a href="#">NM_172172</a>, <a href="#">NM_172173</a>, <a href="#">NM_001367547</a>, <a href="#">NM_001367516</a>, <a href="#">NM_001367518</a>, <a href="#">NM_001367525</a>,  <a href="#">NM_001367526</a>, <a href="#">NM_001367529</a>, <a href="#">NM_001367534</a>, <a href="#">NM_001367537</a>, <a href="#">NM_001367539</a>,  <a href="#">NM_001367540</a>, <a href="#">NM_001367542</a>, <a href="#">NM_001367544</a>, <a href="#">NM_001367545</a>, <a href="#">NR_160042</a>, <a href="#">NR_160045</a>,  <a href="#">NR_160263</a>, <a href="#">NM_001367514</a>, <a href="#">NM_001367517</a>, <a href="#">NM_001367519</a>, <a href="#">NM_001367520</a>,  <a href="#">NM_001367521</a>, <a href="#">NM_001367522</a>, <a href="#">NM_001367523</a>, <a href="#">NM_001367524</a>, <a href="#">NM_001367527</a>,  <a href="#">NM_001367528</a>, <a href="#">NM_001367530</a>, <a href="#">NM_001367531</a>, <a href="#">NM_001367532</a>, <a href="#">NM_001367533</a>,  <a href="#">NM_001367535</a>, <a href="#">NM_001367536</a>, <a href="#">NM_001367538</a>, <a href="#">NM_001367541</a>, <a href="#">NM_001367543</a>,  <a href="#">NM_001367546</a>, <a href="#">NM_001367548</a>, <a href="#">NR_160040</a>, <a href="#">NR_160041</a>, <a href="#">NR_160044</a>, <a href="#">NR_160046</a>, <a href="#">NR_160047</a></p>
UniProt ID:	<a href="#">Q13555</a>
Synonyms:	CAMK; CAMK-II; CAMKG
Summary:	<p>The product of this gene is one of the four subunits of an enzyme which belongs to the serine/threonine protein kinase family, and to the Ca(2+)/calmodulin-dependent protein kinase subfamily. Calcium signaling is crucial for several aspects of plasticity at glutamatergic synapses. In mammalian cells the enzyme is composed of four different chains: alpha, beta, gamma, and delta. The product of this gene is a gamma chain. Many alternatively spliced transcripts encoding different isoforms have been described but the full-length nature of all the variants has not been determined.[provided by RefSeq, Mar 2011]</p>



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## Product images:

