

Product datasheet for **KN207454BN**

CAMK2D Human Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 mBFP-Neo donor, 1 scramble control
Donor DNA:	mBFP-Neo
Symbol:	CAMK2D
Locus ID:	817
Components:	<p>KN207454G1, CAMK2D gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)</p> <p>KN207454G2, CAMK2D gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)</p> <p>KN207454BND, donor DNA containing left and right homologous arms and mBFP-Neo functional cassette.</p> <p>GE100003, scramble sequence in pCas-Guide vector</p>
RefSeq:	<p>NM_001221, NM_001321566, NM_001321567, NM_001321568, NM_001321569, NM_001321570, NM_001321571, NM_001321572, NM_001321573, NM_001321574, NM_001321575, NM_001321576, NM_001321577, NM_001321578, NM_001321579, NM_001321580, NM_001321581, NM_001321582, NM_001321583, NM_001321584, NM_001321585, NM_001321586, NM_001321587, NM_001321588, NM_001321589, NM_001321590, NM_001321591, NM_001321592, NM_172114, NM_172115, NM_172127, NM_172128, NM_172129</p>
UniProt ID:	Q13557
Synonyms:	CAMKD
Summary:	<p>The product of this gene 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 delta chain. Alternative splicing results in multiple transcript variants encoding distinct isoforms. Distinct isoforms of this chain have different expression patterns.[provided by RefSeq, Nov 2008]</p>



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Product images:

