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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:	**KN207454G1**, CAMK2D gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) **KN207454G2**, CAMK2D gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) **KN207454BND**, donor DNA containing left and right homologous arms and mBFP-Neo functional cassette. **GE100003**, scramble sequence in pCas-Guide vector
Disclaimer:	These products are manufactured and supplied by OriGene under license from ERS. The kit is designed based on the best knowledge of CRISPR technology. The system has been functionally validated for knocking-in the cassette downstream the native promoter. The efficiency of the knock-out varies due to the nature of the biology and the complexity of the experimental process.
RefSeq:	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
UniProt ID:	Q13557
Synonyms:	CAMKD

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Summary: 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]

Product images: