

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

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

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]



OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

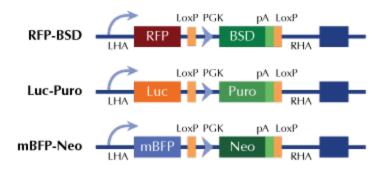
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



Product images:

Donor Vector Edited Chromosome



RFP, Luc, and mBFP will be under native gene promoter