

Product datasheet for KN200589BN

OriGene Technologies, Inc.

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Calumenin (CALU) 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: Calumenin

Locus ID: 813

Components: KN200589G1, Calumenin gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN200589G2, Calumenin gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) **KN200589BND**, 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 001130674, NM 001199671, NM 001199672, NM 001199673, NM 001199674,

NM 001219, NR 074086

 UniProt ID:
 O43852

 Synonyms:
 FLJ90608

Summary: The product of this gene is a calcium-binding protein localized in the endoplasmic reticulum

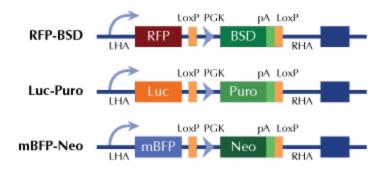
(ER) and it is involved in such ER functions as protein folding and sorting. This protein belongs to a family of multiple EF-hand proteins (CERC) that include reticulocalbin, ERC-55, and Cab45 and the product of this gene. Alternatively spliced transcript variants encoding

different isoforms have been identified. [provided by RefSeq, Oct 2008]



Product images:

Donor Vector Edited Chromosome



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