

Product datasheet for KN217134BN

OriGene Technologies, Inc.

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beta 1 Adrenergic Receptor (ADRB1) 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: beta 1 Adrenergic Receptor

Locus ID: 153

Components: KN217134G1, beta 1 Adrenergic Receptor gRNA vector 1 in pCas-Guide CRISPR vector

(GE100002)

KN217134G2, beta 1 Adrenergic Receptor gRNA vector 2 in pCas-Guide CRISPR vector

(GE100002)

KN217134BND, 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: <u>NM 000684</u>

UniProt ID: P08588

Synonyms: ADRB1R; B1AR; BETA1AR; RHR

Summary: The adrenergic receptors (subtypes alpha 1, alpha 2, beta 1, and beta 2) are a prototypic

family of guanine nucleotide binding regulatory protein-coupled receptors that mediate the physiological effects of the hormone epinephrine and the neurotransmitter norepinephrine. Beta-1 adrenoceptors are predominately located in the heart. Specific polymorphisms in this gene have been shown to affect the resting heart rate and can be involved in heart failure.

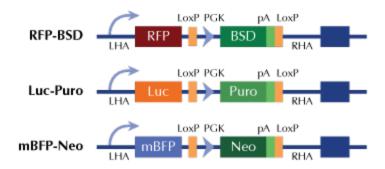
[provided by RefSeq, Sep 2019]





Product images:

Donor Vector Edited Chromosome



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