

Product datasheet for KN300934RB

Adrb2 Mouse Gene Knockout Kit (CRISPR)

Product data:

OriGene Technologies, Inc.

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Product Type:	Knockout Kits (CRISPR)
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Format:	2 gRNA vectors, 1 RFP-BSD donor, 1 scramble control
Donor DNA:	RFP-BSD
Symbol:	Adrb2
Locus ID:	11555
Components:	 KN300934G1, Adrb2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) KN300934G2, Adrb2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) KN300934RBD, donor DNA containing left and right homologous arms and RFP-BSD functional cassette. GE100003, scramble sequence in pCas-Guide vector
RefSeq:	<u>NM 007420</u>
UniProt ID:	<u>P18762</u>
Synonyms:	Adrb-2; Badm; Gpcr7
Summary:	This intronless gene belongs to the G-protein-coupled receptor superfamily, which includes transmembrane proteins that play a role in signal transduction across biological membranes resulting in a variety of physiological responses. The encoded protein is a beta-2 adrenergic receptor which is activated by catecholamine ligands such as adrenaline and epinephrine. The protein participates in the classical signaling pathway involving G protein, adenylyl cyclase, cAMP (3'-5'-cyclic adenosine monophosphate) and protein kinase A (PKA). In humans, this gene is implicated in susceptibility to nocturnal asthma, obesity and type 2 diabetes. [provided by RefSeq, Apr 2013]



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Product images:



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

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