

Product datasheet for **KN300934RB**

Adrb2 Mouse Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
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:	NM_007420
UniProt ID:	P18762
Synonyms:	Adrb-2; Badm; Gpcr7
Summary:	<p>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]</p>



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Product images:

