Product datasheet for KN207576RB

APJ Receptor (APLNR) Human Gene Knockout Kit (CRISPR)

Product data:

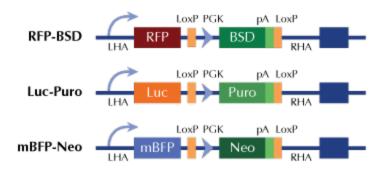|	
Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 RFP-BSD donor, 1 scramble control
Donor DNA:	RFP-BSD
Symbol:	APJ Receptor
Locus ID:	187
Components:	**KN207576G1**, APJ Receptor gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) **KN207576G2**, APJ Receptor gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) **KN207576RBD**, donor DNA containing left and right homologous arms and RFP-BSD 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_005161, NR_027991
UniProt ID:	P35414
Synonyms:	AGTRL1; APJ; APJR; HG11
Summary:	This gene encodes a member of the G protein-coupled receptor gene family. The encoded protein is related to the angiotensin receptor, but is actually an apelin receptor that inhibits adenylate cyclase activity and plays a counter-regulatory role against the pressure action of angiotensin II by exerting hypertensive effect. It functions in the cardiovascular and central nervous systems, in glucose metabolism, in embryonic and tumor angiogenesis and as a human immunodeficiency virus (HIV-1) coreceptor. Two transcript variants resulting from alternative splicing have been identified. [provided by RefSeq, Jul 2009]

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Product images:

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