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Product datasheet for KN300921BN

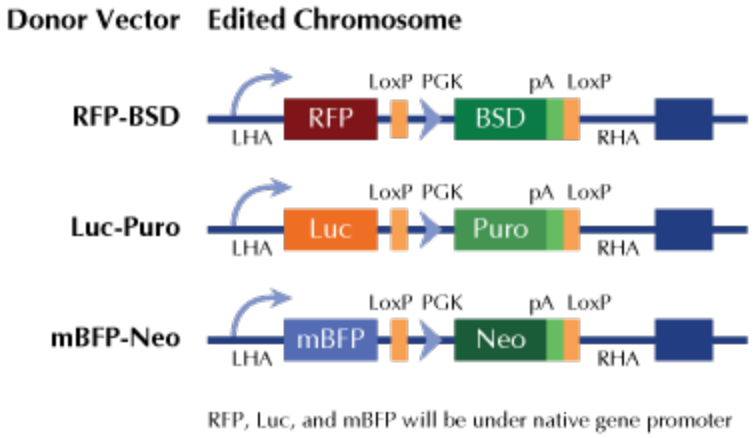
Adora3 Mouse Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 mBFP-Neo donor, 1 scramble control
Donor DNA:	mBFP-Neo
Symbol:	Adora3
Locus ID:	11542
Components:	**KN300921G1**, Adora3 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) **KN300921G2**, Adora3 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) **KN300921BND**, 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_009631
Synonyms:	A3AR; A3R; AA3R; ARA3; Gpcr2
Summary:	This gene encodes a protein that belongs to the family of adenosine receptors, which are G-protein-coupled receptors that are involved in a variety of intracellular signaling pathways and physiological functions. The receptor encoded by this gene mediates a sustained cardioprotective function during cardiac ischemia, it is involved in the inhibition of neutrophil degranulation in neutrophil-mediated tissue injury, it has been implicated in both neuroprotective and neurodegenerative effects, and it may also mediate both cell proliferation and cell death. This gene shares its 3' terminal exon with a transcript variant from overlapping GeneID:69296, which encodes an immunoglobulin domain-containing protein. [provided by RefSeq, Nov 2014]

View online »

Product images:



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