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Product datasheet for KN210563BN

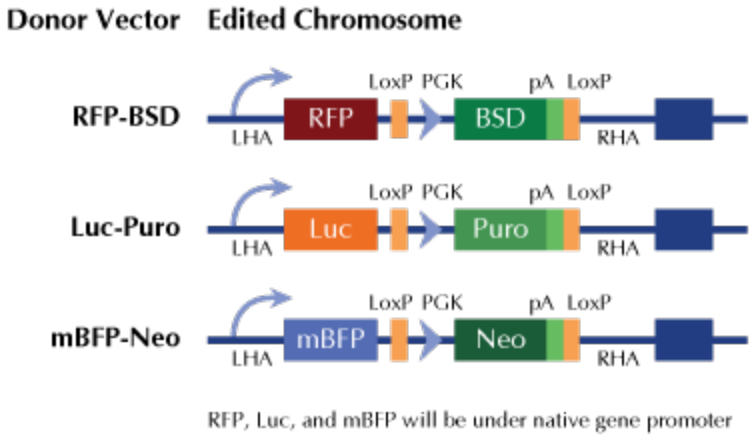
ATG5 Human Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 mBFP-Neo donor, 1 scramble control
Donor DNA:	mBFP-Neo
Symbol:	ATG5
Locus ID:	9474
Components:	**KN210563G1**, ATG5 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) **KN210563G2**, ATG5 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) **KN210563BND**, 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_001286106, NM_001286107, NM_001286108, NM_001286111, NM_004849, NR_104402, NR_104403
UniProt ID:	Q9H1Y0
Synonyms:	APG5; APG5-LIKE; APG5L; ASP; hAPG5
Summary:	The protein encoded by this gene, in combination with autophagy protein 12, functions as an E1-like activating enzyme in a ubiquitin-like conjugating system. The encoded protein is involved in several cellular processes, including autophagic vesicle formation, mitochondrial quality control after oxidative damage, negative regulation of the innate antiviral immune response, lymphocyte development and proliferation, MHC II antigen presentation, adipocyte differentiation, and apoptosis. Several transcript variants encoding different protein isoforms have been found for this gene. [provided by RefSeq, Sep 2015]

View online »

Product images:



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