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Product datasheet for KN202074BN

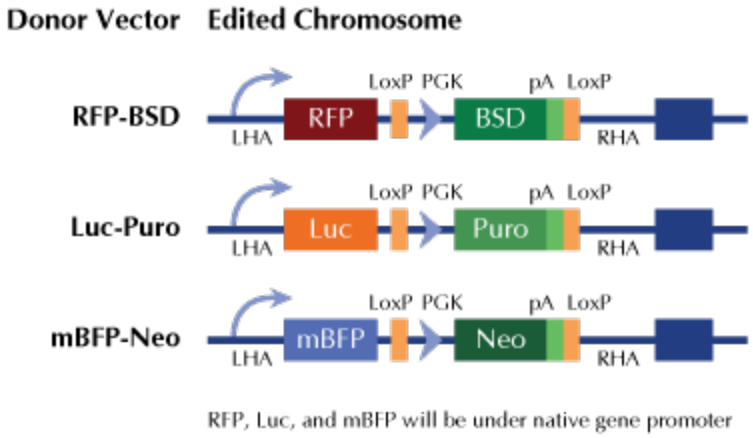
PAM Human Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 mBFP-Neo donor, 1 scramble control
Donor DNA:	mBFP-Neo
Symbol:	PAM
Locus ID:	5066
Components:	**KN202074G1**, PAM gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) **KN202074G2**, PAM gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) **KN202074BND**, 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_000919, NM_001177306, NM_001319943, NM_138766, NM_138821, NM_138822, NR_033440, NM_001364582, NM_001364584, NM_001364586, NM_001364588, NM_001364589, NM_001364590, NM_001364593, NM_001364583, NM_001364585, NM_001364587, NM_001364591, NM_001364592, NM_001364594, NR_157231
UniProt ID:	P19021
Synonyms:	PAL; PHM
Summary:	This gene encodes a multifunctional protein. The encoded preproprotein is proteolytically processed to generate the mature enzyme. This enzyme includes two domains with distinct catalytic activities, a peptidylglycine alpha-hydroxylating monooxygenase (PHM) domain and a peptidyl-alpha-hydroxyglycine alpha-amidating lyase (PAL) domain. These catalytic domains work sequentially to catalyze the conversion of neuroendocrine peptides to active alpha-amidated products. Alternative splicing results in multiple transcript variants, at least one of which encodes an isoform that is proteolytically processed. [provided by RefSeq, Jan 2016]

View online »

Product images:



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