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Product datasheet for KN200240BN

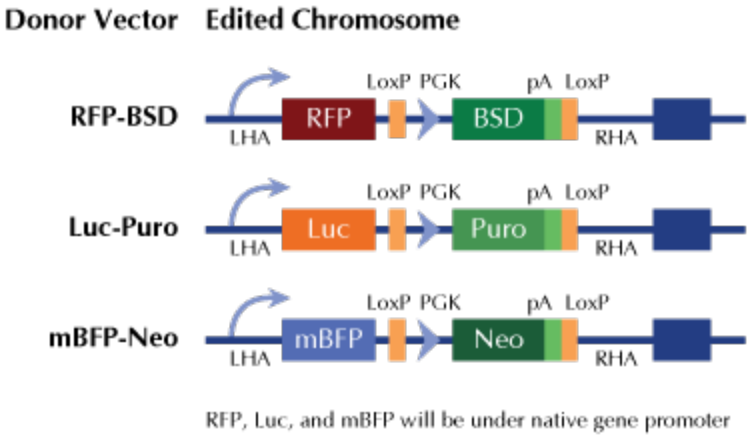
UBE2C Human Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 mBFP-Neo donor, 1 scramble control
Donor DNA:	mBFP-Neo
Symbol:	UBE2C
Locus ID:	11065
Components:	**KN200240G1**, UBE2C gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) **KN200240G2**, UBE2C gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) **KN200240BND**, 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_001281741, NM_001281742, NM_007019, NM_181799, NM_181800, NM_181801, NM_181802, NM_181803, NR_104036, NR_104037
UniProt ID:	O00762
Synonyms:	dJ447F3.2; UBCH10
Summary:	The modification of proteins with ubiquitin is an important cellular mechanism for targeting abnormal or short-lived proteins for degradation. Ubiquitination involves at least three classes of enzymes: ubiquitin-activating enzymes, ubiquitin-conjugating enzymes, and ubiquitin-protein ligases. This gene encodes a member of the E2 ubiquitin-conjugating enzyme family. The encoded protein is required for the destruction of mitotic cyclins and for cell cycle progression, and may be involved in cancer progression. Multiple transcript variants encoding different isoforms have been found for this gene. Pseudogenes of this gene have been defined on chromosomes 4, 14, 15, 18, and 19. [provided by RefSeq, Aug 2013]

View online »

Product images:



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