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Product datasheet for KN201614BN

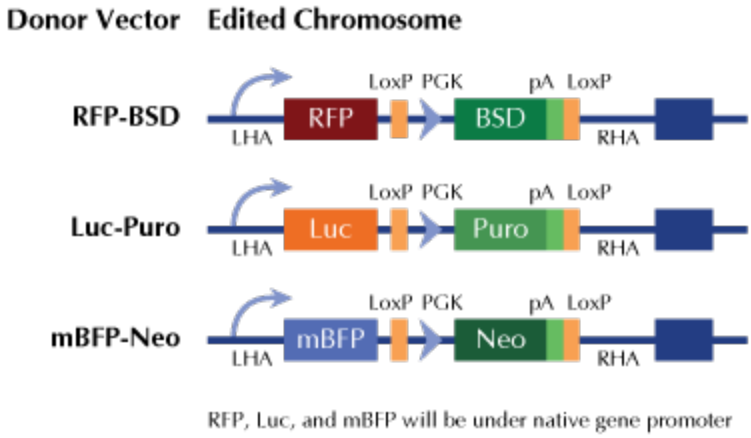
GBA Human Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 mBFP-Neo donor, 1 scramble control
Donor DNA:	mBFP-Neo
Symbol:	GBA
Locus ID:	2629
Components:	**KN201614G1**, GBA gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CAGCATTGTCACAGTGCTTC **KN201614G2**, GBA gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GTTTTCAAGTCCTTCCAGAG **KN201614BND**, 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_000157, NM_001005741, NM_001005742, NM_001005749, NM_001005750, NM_001171811, NM_001171812
UniProt ID:	P04062
Synonyms:	GBA1; GCB; GLUC
Summary:	This gene encodes a lysosomal membrane protein that cleaves the beta-glucosidic linkage of glycosylceramide, an intermediate in glycolipid metabolism. Mutations in this gene cause Gaucher disease, a lysosomal storage disease characterized by an accumulation of glucocerebrosides. A related pseudogene is approximately 12 kb downstream of this gene on chromosome 1. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2010]

View online »

Product images:



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