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Product datasheet for KN224760RB

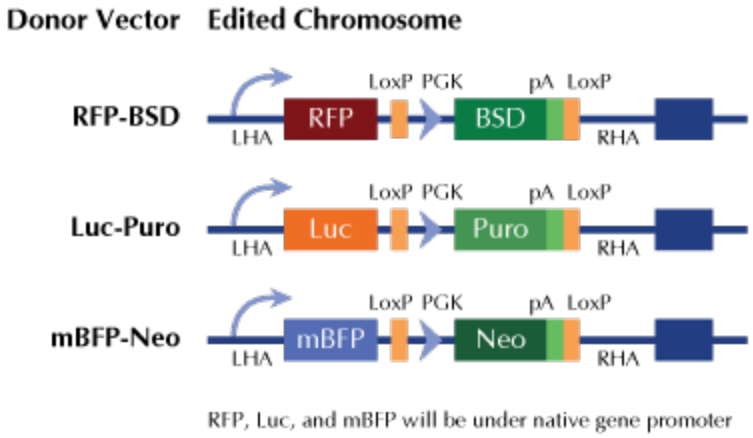
SETD2 Human Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 RFP-BSD donor, 1 scramble control
Donor DNA:	RFP-BSD
Symbol:	SETD2
Locus ID:	29072
Components:	**KN224760G1**, SETD2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) **KN224760G2**, SETD2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) **KN224760RBD**, donor DNA containing left and right homologous arms and RFP-BSD 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_012271, NM_014159, NM_001349370, NR_146158
UniProt ID:	Q9BYW2
Synonyms:	FLJ16420; FLJ22472; FLJ45883; HIF1; KIAA1732
Summary:	Huntington's disease (HD), a neurodegenerative disorder characterized by loss of striatal neurons, is caused by an expansion of a polyglutamine tract in the HD protein huntingtin. This gene encodes a protein belonging to a class of huntingtin interacting proteins characterized by WW motifs. This protein is a histone methyltransferase that is specific for lysine-36 of histone H3, and methylation of this residue is associated with active chromatin. This protein also contains a novel transcriptional activation domain and has been found associated with hyperphosphorylated RNA polymerase II. [provided by RefSeq, Aug 2008]

View online »

Product images:



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