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Product datasheet for KN201376LP

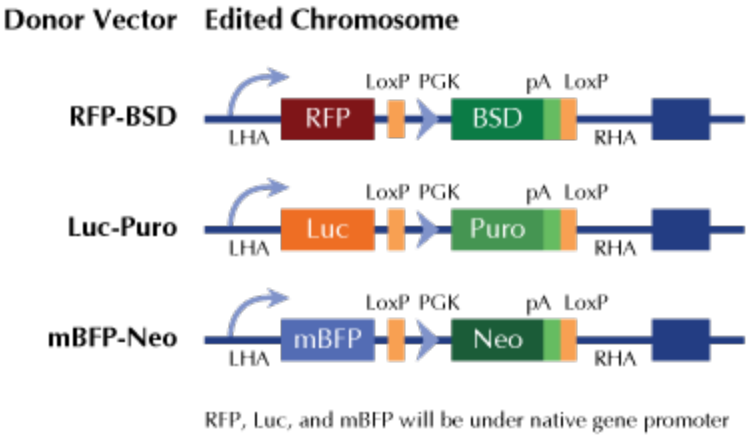
MYH (MUTYH) Human Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 Luciferase-Puro donor, 1 scramble control
Donor DNA:	Luciferase-Puro
Symbol:	MYH
Locus ID:	4595
Components:	**KN201376G1**, MYH gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) **KN201376G2**, MYH gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) **KN201376LPD**, donor DNA containing left and right homologous arms and Luciferase-Puro 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_001048171, NM_001048172, NM_001048173, NM_001048174, NM_001128425, NM_001293190, NM_001293191, NM_001293192, NM_001293195, NM_001293196, NM_012222, NM_001350650, NM_001350651, NR_146882, NR_146883
UniProt ID:	Q9UIF7
Synonyms:	MYH
Summary:	This gene encodes a DNA glycosylase involved in oxidative DNA damage repair. The enzyme excises adenine bases from the DNA backbone at sites where adenine is inappropriately paired with guanine, cytosine, or 8-oxo-7,8-dihydroguanine, a major oxidatively damaged DNA lesion. The protein is localized to the nucleus and mitochondria. This gene product is thought to play a role in signaling apoptosis by the introduction of single-strand breaks following oxidative damage. Mutations in this gene result in heritable predisposition to colorectal cancer, termed MUTYH-associated polyposis (MAP). Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2017]

View online »

Product images:



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