

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:	<p>KN201376G1, MYH gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)</p> <p>KN201376G2, MYH gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)</p> <p>KN201376LPD, donor DNA containing left and right homologous arms and Luciferase-Puro functional cassette.</p> <p>GE100003, scramble sequence in pCas-Guide vector</p>
RefSeq:	<p>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</p>
UniProt ID:	Q9UIF7
Synonyms:	MYH
Summary:	<p>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]</p>



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Product images:

