

Product datasheet for **KN201010RB**

Mucolipin 1 (MCOLN1) 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:	Mucolipin 1
Locus ID:	57192
Components:	KN201010G1 , Mucolipin 1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) KN201010G2 , Mucolipin 1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) KN201010RBD , 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_020533
UniProt ID:	Q9GZU1
Synonyms:	MG-2; ML4; MLIV; MST080; MSTP080; TRP-ML1; TRPM-L1; TRPML1
Summary:	This gene encodes a member of the transient receptor potential (TRP) cation channel gene family. The transmembrane protein localizes to intracellular vesicular membranes including lysosomes, and functions in the late endocytic pathway and in the regulation of lysosomal exocytosis. The channel is permeable to Ca(2+), Fe(2+), Na(+), K(+), and H(+), and is modulated by changes in Ca(2+) concentration. Mutations in this gene result in mucopolipidosis type IV. [provided by RefSeq, Oct 2009]



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Product images:

