

## Product datasheet for **KN205932BN**

### Myosin Light Chain 2 (MYL2) 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:	Myosin Light Chain 2
Locus ID:	4633
Components:	<b>KN205932G1</b> , Myosin Light Chain 2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN205932G2</b> , Myosin Light Chain 2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN205932BND</b> , donor DNA containing left and right homologous arms and mBFP-Neo functional cassette. <b>GE100003</b> , 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\\_000432](#)

**UniProt ID:** [P10916](#)

**Synonyms:** CMH10; MLC-2s/v; MLC2

**Summary:** Thus gene encodes the regulatory light chain associated with cardiac myosin beta (or slow) heavy chain. Ca<sup>+</sup> triggers the phosphorylation of regulatory light chain that in turn triggers contraction. Mutations in this gene are associated with mid-left ventricular chamber type hypertrophic cardiomyopathy. [provided by RefSeq, Jul 2008]



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## Product images:

