

## Product datasheet for **KN216220BN**

### TRPM2 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:	TRPM2
Locus ID:	7226
Components:	<b>KN216220G1</b> , TRPM2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN216220G2</b> , TRPM2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN216220BND</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:	<a href="#">NM_001001188</a> , <a href="#">NM_003307</a> , <a href="#">NR_038257</a> , <a href="#">NM_001320350</a> , <a href="#">NM_001320351</a> , <a href="#">NM_001320352</a>
UniProt ID:	<a href="#">O94759</a>
Synonyms:	REG1; KNP3; LTRPC2; MGC133383; NUDT9H; NUDT9L1; TRPC7
Summary:	The protein encoded by this gene forms a tetrameric cation channel that is permeable to calcium, sodium, and potassium and is regulated by free intracellular ADP-ribose. The encoded protein is activated by oxidative stress and confers susceptibility to cell death. Alternative splicing results in multiple transcript variants encoding distinct protein isoforms. Additional transcript variants of this gene have been described, but their full-length nature is not known. [provided by RefSeq, Feb 2016]



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## Product images:

