

Product datasheet for **KN202865**

Myeloid zinc finger 1 (MZF1) Human Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 GFP-puro donor, 1 scramble control
Donor DNA:	GFP-puro
Symbol:	Myeloid zinc finger 1
Locus ID:	7593
Components:	<p>KN202865G1, Myeloid zinc finger 1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: AGAAGATGAGGGGCCTGTCA</p> <p>KN202865G2, Myeloid zinc finger 1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GGTGAAGCTAGAGACTCTG</p> <p>KN202865D, donor DNA containing left and right homologous arms and GFP-puro functional cassette.</p>

Homologous arm and GFP-puro sequences:

pUC vector backbone in gray; **Left arm sequence in blue**; **GFP-puro in green**; **Right arm in violet**

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AGAAGTAAGT TGGCCGAGT GTTATCACTC ATGGTTATGG CAGCACTGCA TAATTCTCTT ACTGTCATGC
CATCCGTAAG ATGCTTTTCT GTGACTGGTG AGTACTCAAC CAAGTCATTC TGAGAATAGT GTATGCCGGC
ACCGAGTTGC TCTTGCCCGG CGTCAATACG GGATAATACC GCGCCACATA GCAGAATTTT AAAAGTGCTC
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 TACAGGCATC GTGGTGTAC GCTCGTCGTT TGGTATGGCT TCATTCAGCT CCGGTTCCCA ACGATC

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_001267033](#), [NM_003422](#), [NM_198055](#)

UniProt ID:

[P28698](#)

Synonyms:

MZF-1; MZF1B; ZFP98; ZNF42; ZSCAN6

Summary:

Binds to target promoter DNA and functions as transcription regulator. Regulates transcription from the PADI1 and CDH2 promoter. May be one regulator of transcriptional events during hemopoietic development.[UniProtKB/Swiss-Prot Function]

Product images:

