

## Product datasheet for **KN219671**

### MS4A10 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:	MS4A10
Locus ID:	341116
Components:	<p><b>KN219671G1</b>, MS4A10 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: AGCCCCCTAGCACACCGCT</p> <p><b>KN219671G2</b>, MS4A10 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GGCTGAGGACTTGCCATGAT</p> <p><b>KN219671D</b>, 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
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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\\_206893](#)

**UniProt ID:**

[Q96PG2](#)

**Synonyms:**

CD20L7; MS4A9

**Summary:**

Most MS4A genes, including MS4A10, encode proteins with at least 4 potential transmembrane domains and N- and C-terminal cytoplasmic domains encoded by distinct exons.[supplied by OMIM, Apr 2004]

Product images:

