

Product datasheet for **KN205533**

TMEM163 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: TMEM163
Locus ID: 81615
Components: **KN205533G1**, TMEM163 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CATCCAGCGCCGCAGCTCCC
KN205533G2, TMEM163 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GCGGCGGGACGGTGGGCCCC
KN205533D, donor DNA containing left and right homologous arms and GFP-puro functional cassette.

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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AAGGCGAGTT ACATGATCCC CCATGTTGTG CAAAAAAGCG GTTAGCTCCT TCGGTCCTCC GATCGTTGTC
AGAAGTAAGT TGGCCGAGT GTTATCACTC ATGGTTATGG CAGCACTGCA TAATTCTCTT ACTGTCATGC
CATCCGTAAG ATGCTTTTCT GTGACTGGTG AGTACTCAAC CAAGTCATTC TGAGAATAGT GTATGCCGGC
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 ACTTTATCCG CCTCCATCCA GTCTATTAAT TGTTCCCGGG AAGCTAGAGT AAGTAGTTCG CCAGTTAATA
 GTTTGCGCAA CGTTGTTGCC ATTGCTACAG GCATCGTGGT GTCACGCTCG TCGTTTGTA TGGCTTCATT
 CAGCTCCGGT TCCCAACGAT C

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_030923](#)

UniProt ID:

[Q8TC26](#)

Synonyms:

DC29; SV31

Summary:

May bind zinc and other divalent cations and recruit them to vesicular organelles.
 [UniProtKB/Swiss-Prot Function]

Product images:

