

Product datasheet for **KN216927**

TMEM97 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:	TMEM97
Locus ID:	27346
Components:	<p>KN216927G1, TMEM97 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TCGACTGGGTAGAGCTCGCG</p> <p>KN216927G2, TMEM97 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CCTGTTCATGGACCTGCAGG</p> <p>KN216927D, 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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TTTTGTAGAG ATAATGTCTT ACTAAGTTAC CCAGGCTGGT CTTCTGGGCT CAAGCCATCC TCCTGCCTCG
GGCTCCCAA GTGCAGACAT TACAGGCATG ACCACCGTG CACAGCGTCA GCTTTATTTT TTTAATGCTG
ACTTACTGCA GAAGGCCAA GGGCCAGTGC AGTTTTCATA CTGCTGTTGT AGTGCGAAC GGAGCCACGA
GGGAAGGGAG CGCCGCCGC AGCTGCCGGG ACACCAGGAT ACCACGCGGC CAGCACCGAA ACGTAGGCT
CGCGTCACA ACCGCAATCT AACTGAGTA GCCGCGGCC GAACGGCGTG ACTAAGCCCC GCCCACACGG
CGCTCCTGCG GGCCAATGGA AATGGCTTAC GAGACGCCTT CTCCACGCGC TATACTTATA CGGACCAATG
GGTGCGCCCT GTGGGGAGTG CCGCCCCCTG TCCACGAGCC TCCTCTTCTC GCCAGCCAAT GGAAGCGGTC
TGCCTAGCCC TCGCGGGGGC AAGGCGGCGA CCGAGGCGCG TGGGTCTGGG AAGGCGCGCG GATTTGGCCC
CTCTTCTCAC ATCAGCGGGT CCAGGCCCAA CCGACAGACT TCTTATCCCG GCCCGCTGAG GCTCTCCCGG
CGCTGCGTCC ACAGGGCCTT CACCTCCTCC GCGCTCGCGC ACTCTGGGTT CCAGTTGCTT CTCTCGGGTC
CTGCCATGC CTCCCCGCT CCTAACCCAA CTTTAGTTCG GTGTTTTCTT CGGGCTTTGT CTCTATCCCA
GCCCTTCTC CCAAGCGGCG GGGCGAAGC CTTTGTTCCT TTTAAAGTCA CTCTTCCCT GGGTTAAGG
TTTCCCGCGA TTCCACCTT GCGCGTGTG CAGTGTCTGA GGAAGTAGT CTGGATGAAG TGGTGTCCAA
AGTCACATGT TAGGTTTGCT TTAAGCTTCT GGTTTTTGT TGTGTTGTTT GGAAGGCTT TAAATACCA
GTCTGATCCC AAAGAAAAA TCCGAGTAGA AATAGACCTG TCTGAAGGTT TAGCACCTG GTTGTGTCAG
CTGGGGCGTT CACAGATCGT CACTGCTCG AGATCAGGTT CCAGCAACTT CCAGAGCTCA GGAGTAAAT
GCCATCTTTT CAGATTGGCT CTTCAATATT GGGTTCGAGT AACAATGATC TCCTGAGTAA AAATAAAGGT
GAAAATCCCG

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GE100003, scramble sequence in pCas-Guide vector



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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_014573](#)

UniProt ID: [Q5BJF2](#)

Synonyms: MAC30

Summary: TMEM97 is a conserved integral membrane protein that plays a role in controlling cellular cholesterol levels (Bartz et al., 2009 [PubMed 19583955]).[supplied by OMIM, Aug 2009]

Product images:

