

Product datasheet for **KN313978**

Prph Mouse 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:	Prph
Locus ID:	19132
Components:	<p>KN313978G1, Prph gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GTGATGATGGCTCATGCTGG</p> <p>KN313978G2, Prph gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CGAGTAGGAGAAAGCCCCGG</p> <p>KN313978D, 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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CTTTACCGTG CCCTGGGGAG TAGGCAGAGA TAAGCTCTTC CCCAGCTCCC TCTGCCTCAG CCCTCGGTTG
TGGCCAATGA TGGGGGGCAG TTGACAACAG GTGAAAGGAG AACCCCACTT TCAGGAGACA GGAGGAGGCA
CGAATTCCTT GGCTTAGGCC AGGTAGCTC TCCCTCCACC TACCCCACTT CTCATTGCTC AAAACTTGCC
CTTTTCCTCA GGTCTCATA TTCCTAATT TTTACCCCTT CTTCTGAGAG GGCACCCCACT GTCAAGCCAT
GTCCTCCCAT TCTAGGCTCC AGCGTTGGAT GCATGCTCTA AGGTAGACCT TAGCCCACTT CCATCACATC
CCGGATCTCA GCCAGCAACA AGGGGGAATC AAGCAGGCAG GGTGCCAGCA ACCAGGAGAG GGAAGGGGTG
GTGTCTCTC TCTGCAGGGT GGGGCATCCC CCTCCCCACA CAGCCCAAGG CTGAAGTCAG GCCAGTGGGA
GGAGCTGTCG TGGCCCCCA CCCCCCTCC CCGGAGACCG CAGGGCTATA AAGCCGCCCC GCATCGGTCT
GCAGCTCCTT GCCACCCGGC CTAGTTCTGC CAAGCGCTGA TCCAGCAGCC GCCTGCTGGG CTCGGGGTCC
CCGAGCTCCT CGGCGGGCT GGGCAGCTTC CGTGCCCTC GAGCGGGGGC ACTGCGCTTG CCCTCGGAGC
GCCTCGATTT CTCCATGGCC GAGGCCCTCA ACCAAGAGTT CCTGGCCACT CGGAGCAACG AGAAGCAAGA
GTTACAGGAG CTCAACGACC GCTTCGCCAA CTTCATCGAG AAGGTGCGCT TCTTGGAGCA GCAGAACGCA
GCCCTGCGCG GGGAGCTGAG CCAGGCGCGG GGCCAGGAGC CGGCGCGCGC CGACCAGCTT TGCCAGCAGG
AGCTGCGCGA GCTGCGGCGC GAACTGGAGC TGCTGGGCGG GGAGCGCGAC CGGGTGCAGG TGGAGCGGGA
CGGGCTGGCG GAGGACCTAG CCGCGCTCAA GCAGAGGTCA GAGGGCAGGA CCGGGCCTGC CAGACGCTCC
CTTCGCTCCC CCTGCCTTCC CCTCCAGATC CAACAGCCCT AGGGCGTGGC CGGGCTGGCC AACCCAGGG
CGAGCCTGCA GCATCCAAGC CAGCCCCCTC CTGCACTTT GCTCCGAGAG CCTAGCGGAA GTGACCAGAC
ATTAAGGGGA

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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_001163588, NM_001163589, NM_013639

Synonyms:

Prph1

Product images:

