

Product datasheet for **KN314172**

Ptges Mouse Gene Knockout Kit (CRISPR)

Product data:

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| Product Type: | Knockout Kits (CRISPR) |
| Format: | 2 gRNA vectors, 1 GFP-puro donor, 1 scramble control |
| Donor DNA: | GFP-puro |
| Symbol: | Ptges |
| Locus ID: | 64292 |
| Components: | <p>KN314172G1, Ptges gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GGTCATCAAGATGTACGCGG</p> <p>KN314172G2, Ptges gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CCTGGTGATGGAGAGCGGCC</p> <p>KN314172D, 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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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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ACCCGCAACG **CAGGAGCCTA** **AGAAGTCTTT** **CCGTGGAAT** **TCCCACTCCC** **CATGGACGCC** **GCACACACTT**
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GTAAAAGAAC CTACGTGGAG CTGGTGGGAG TGGCCAGGGC TCCCAGACCC CTTCTAGGGG TCCATTGGAA
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 CCGCCCGAAA GAGGAAGGGC TGGAAAGAGGA AGGAGCTTGG CGTAATCATG GTCATAGCTG TTTCTGTGT
 GAAATTGTTA TCCGCTCACA ATTCCACACA ACATACGAGC CGGAAGCATA AAGTGTAAGG CCTGGGGTGC
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 TGCCAGCTGC ATTAATGAAT CGGCCAACGC GCGGGGAGAG GCGGTTTGGC TATTGGGCGC TCTTCCGCTT
 CCTCGCTCAC TGACTCGCTG CGCTCGGTCTG TTCGGCTGCG GCGAGCGGTA TCAGCTCACT CAAAGGCGGT
 AATACGGTTA TCCACAGAAT CAGGGGATAA CGCAGGAAAG AACATGTGAG CAAAAGGCCA GCAAAAAGGCC
 AGGAACCGTA AAAAGGCCGC GTTGCTGGCG TTTTCCATA GGCTCCGCC CCCTGACGAG CATCACAAAA
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 CCAAGTGTGC AATGATACCG CGAGAACCAC GCTCACCAGC TCCAGATTTA TCAGCAATAA ACCAGCCAGC
 CGGAAGGGCC GAGCGCAGAA GTGGTCTGTC AACTTTATCC GCCTCCATCC AGTCTATTAA TTGTTGCCGG
 GAAGCTAGAG TAAGTAGTTC GCCAGTTAAT AGTTTGGCA ACGTTGTTGC CATTGCTACA GGCATCGTGG
 TGTCACGCTC GTCGTTTGGT ATGGCTTCAT TCAGCTCCGG TTCCCAACGA TC

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_022415](#)

UniProt ID:

[Q9JM51](#)

Synonyms:

2410099E23Rik; D2Ertd369e; mPGES; mPGES-1; Pges

Summary:

Catalyzes the oxidoreduction of prostaglandin endoperoxide H2 (PGH2) to prostaglandin E2 (PGE2).[UniProtKB/Swiss-Prot Function]

Product images:

