

Product datasheet for **KN307386**

Gsr 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:	Gsr
Locus ID:	14782
Components:	<p>KN307386G1, Gsr gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GCGCGCGCTCACCTGCGCCA</p> <p>KN307386G2, Gsr gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GCGCCCACGCCAGCGCCCCG</p> <p>KN307386D, 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 GTATGCGGCG
ACCGAGTTGC TCTTGCCCGG CGTCAATACG GGATAATACC GCGCCACATA GCAGAATTTT AAAAGTGCTC
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AACCCACTCG TGCACCCAAC TGATCTTCAG CATCTTTTAC TTTCAACCAGC GTTTCTGGGT GAGCAAAAAC
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CAACTTTATC CGCCTCCATC CAGTCTATTA ATTTGTTGCG GGAAGCTAGA GTAAGTAGTT CGCCAGTTAA
TAGTTTGC GC AACGTTGTTG CCATTGCTAC AGGCATCGTG GTGTCACGCT CGTCGTTTGG TATGGCTTCA
TTCAGCTCCG GTTCCCAACG ATC

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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_010344](#)

UniProt ID:

[P47791](#)

Synonyms:

AI325518; D8Ert238e; Gr-1; Gr1

Summary:

Maintains high levels of reduced glutathione in the cytosol.[UniProtKB/Swiss-Prot Function]

Product images:

