

Product datasheet for **KN205812**

GERP (TRIM8) 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:	GERP
Locus ID:	81603
Components:	<p>KN205812G1, GERP gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CTGGCTCCACGAAAACGTGC</p> <p>KN205812G2, GERP gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CGGCAGAAGTTGTGTTTGCA</p> <p>KN205812D, 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 TGGCCGCAGT GTTATCACTC ATGGTTATGG CAGCACTGCA TAATTCTCTT ACTGTCATGC
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 AGTTTGCGCA ACGTTGTTGC CATTGCTACA GGCATCGTGG TGTCACGCTC GTCGTTTGGT ATGGCTTCAT
 TCAGTCCGG TTCCAACGA 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_030912](#), [NM_001345950](#), [NR_144321](#)

UniProt ID:

[Q9BZR9](#)

Synonyms:

GERP; RNF27

Summary:

This gene encodes a member of the tripartite motif (TRIM) protein family. Based on similarities to other proteins, the encoded protein is suspected to be an E3 ubiquitin-protein ligase. Regulation of this gene may be altered in some cancers. Mutations resulting in a truncated protein product have been observed in early-onset epileptic encephalopathy (EOEE). [provided by RefSeq, Sep 2016]

