

Product datasheet for **KN224804**

GAS1 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:	GAS1
Locus ID:	2619
Components:	<p>KN224804G1, GAS1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CGCCCGGCACTGTCCCCCG</p> <p>KN224804G2, GAS1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: ACGGCCGCCGCTCATCTGC</p> <p>KN224804D, 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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 GATCATGTAA CTCGCCTT

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_002048](#)

UniProt ID:

[P54826](#)

Synonyms:

growth arrest-specific 1; Growth arrest-specific gene-1; OTTHUMP00000021599

Summary:

Growth arrest-specific 1 plays a role in growth suppression. GAS1 blocks entry to S phase and prevents cycling of normal and transformed cells. Gas1 is a putative tumor suppressor gene. [provided by RefSeq, Jul 2008]

Product images:

