

## Product datasheet for **KN209956**

### EGR1 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:	EGR1
Locus ID:	1958
Components:	<p><b>KN209956G1</b>, EGR1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CTGCAGATCTCTGACCCGTT</p> <p><b>KN209956G2</b>, EGR1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CTTAGGGTAGTTGTCCATGG</p> <p><b>KN209956D</b>, 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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 TGGGGGATCA TGTAACCTCG CTT

**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\\_001964](#)

**UniProt ID:**

[P18146](#)

**Synonyms:**

AT225; G0S30; KROX-24; NGFI-A; TIS8; ZIF-268; ZNF225

**Summary:**

The protein encoded by this gene belongs to the EGR family of C2H2-type zinc-finger proteins. It is a nuclear protein and functions as a transcriptional regulator. The products of target genes it activates are required for differentiation and mitogenesis. Studies suggest this is a cancer suppressor gene. [provided by RefSeq, Dec 2014]

Product images:

