

## Product datasheet for **KN204968**

### CREB3L1 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:** CREB3L1  
**Locus ID:** 90993  
**Components:** **KN204968G1**, CREB3L1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GGCCGGGAAGGGTTCCAAGA  
**KN204968G2**, CREB3L1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GGATCCGGGGAACAGCCTGT  
**KN204968D**, donor DNA containing left and right homologous arms and GFP-puro functional cassette.

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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 GAAGAACGTT TTCCAATGAT GAGCACTTTT AAAGTTCTG TATGTGGCG GGTATTATCC CGTATTGACG  
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 ACTGCGGCCA ACTTACTTCT GACAACGATC GGAGGACCGA AGGAGCTAAC CGCTTTTTTG CACAACATGG  
 GGGATCATGT AACTCGCCTT

**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\\_052854](#)

**UniProt ID:**

[Q96BA8](#)

**Synonyms:**

OASIS

**Summary:**

The protein encoded by this gene is normally found in the membrane of the endoplasmic reticulum (ER). However, upon stress to the ER, the encoded protein is cleaved and the released cytoplasmic transcription factor domain translocates to the nucleus. There it activates the transcription of target genes by binding to box-B elements. [provided by RefSeq, Jun 2013]

Product images:

