

## Product datasheet for **KN200581RB**

### **GADD34 (PPP1R15A) Human Gene Knockout Kit (CRISPR)**

#### **Product data:**

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 RFP-BSD donor, 1 scramble control
Donor DNA:	RFP-BSD
Symbol:	GADD34
Locus ID:	23645
Components:	<b>KN200581G1</b> , GADD34 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN200581G2</b> , GADD34 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN200581RBD</b> , donor DNA containing left and right homologous arms and RFP-BSD functional cassette. <b>GE100003</b> , 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\\_014330](#)

**UniProt ID:** [O75807](#)

**Synonyms:** GADD34

**Summary:** This gene is a member of a group of genes whose transcript levels are increased following stressful growth arrest conditions and treatment with DNA-damaging agents. The induction of this gene by ionizing radiation occurs in certain cell lines regardless of p53 status, and its protein response is correlated with apoptosis following ionizing radiation. [provided by RefSeq, Jul 2008]



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## Product images:

