

Product datasheet for **KN202115RB**

CREB1 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:	CREB1
Locus ID:	1385
Components:	KN202115G1 , CREB1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) KN202115G2 , CREB1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) KN202115RBD , donor DNA containing left and right homologous arms and RFP-BSD functional cassette. 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_004379](#), [NM_134442](#), [NM_001320793](#), [NR_135473](#)

UniProt ID: [P16220](#)

Synonyms: CREB

Summary: This gene encodes a transcription factor that is a member of the leucine zipper family of DNA binding proteins. This protein binds as a homodimer to the cAMP-responsive element, an octameric palindrome. The protein is phosphorylated by several protein kinases, and induces transcription of genes in response to hormonal stimulation of the cAMP pathway. Alternate splicing of this gene results in several transcript variants encoding different isoforms. [provided by RefSeq, Mar 2016]



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Product images:

