

## Product datasheet for **KN203597RB**

### **RUNX3 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:	RUNX3
Locus ID:	864
Components:	<b>KN203597G1</b> , RUNX3 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN203597G2</b> , RUNX3 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN203597RBD</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:	<a href="#">NM_001031680</a> , <a href="#">NM_001320672</a> , <a href="#">NM_004350</a>
UniProt ID:	<a href="#">Q13761</a>
Synonyms:	AML2; CBFA3; PEBP2aC
Summary:	This gene encodes a member of the runt domain-containing family of transcription factors. A heterodimer of this protein and a beta subunit forms a complex that binds to the core DNA sequence 5'-PYGPYGGT-3' found in a number of enhancers and promoters, and can either activate or suppress transcription. It also interacts with other transcription factors. It functions as a tumor suppressor, and the gene is frequently deleted or transcriptionally silenced in cancer. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2016]



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Product images:

