

## Product datasheet for **KN210945LP**

### GATA4 Human Gene Knockout Kit (CRISPR)

#### Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 Luciferase-Puro donor, 1 scramble control
Donor DNA:	Luciferase-Puro
Symbol:	GATA4
Locus ID:	2626
Components:	<b>KN210945G1</b> , GATA4 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN210945G2</b> , GATA4 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN210945LPD</b> , donor DNA containing left and right homologous arms and Luciferase-Puro 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_001308093</a> , <a href="#">NM_001308094</a> , <a href="#">NM_002052</a>
UniProt ID:	<a href="#">P43694</a>
Synonyms:	ASD2; TACHD; TOF; VSD1
Summary:	This gene encodes a member of the GATA family of zinc-finger transcription factors. Members of this family recognize the GATA motif which is present in the promoters of many genes. This protein is thought to regulate genes involved in embryogenesis and in myocardial differentiation and function, and is necessary for normal testicular development. Mutations in this gene have been associated with cardiac septal defects. Additionally, alterations in gene expression have been associated with several cancer types. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2015]



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Product images:

