

Product datasheet for KN210945RB

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GATA4 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-BSE
Symbol: GATA4
Locus ID: 2626

Components: KN210945G1, GATA4 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN210945G2, GATA4 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN210945RBD, donor DNA containing left and right homologous arms and RFP-BSD

functional cassette.

GE100003, scramble sequence in pCas-Guide vector

RefSeq: <u>NM 001308093, NM 001308094, NM 002052</u>

UniProt ID: P43694

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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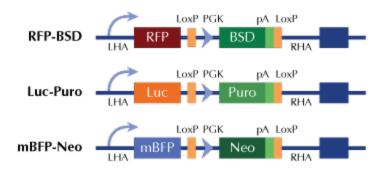
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Product images:

Donor Vector Edited Chromosome



RFP, Luc, and mBFP will be under native gene promoter