

Product datasheet for **KN220744RB**

RFXANK 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:	RFXANK
Locus ID:	8625
Components:	KN220744G1 , RFXANK gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) KN220744G2 , RFXANK gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) KN220744RBD , 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_001278727 , NM_001278728 , NM_003721 , NM_134440 , NM_001370233 , NM_001370235 , NM_001370237 , NM_001370238 , NM_001370234 , NM_001370236
UniProt ID:	O14593
Synonyms:	ANKRA1; BLS; F14150_1; RFX-B
Summary:	Major histocompatibility (MHC) class II molecules are transmembrane proteins that have a central role in development and control of the immune system. The protein encoded by this gene, along with regulatory factor X-associated protein and regulatory factor-5, forms a complex that binds to the X box motif of certain MHC class II gene promoters and activates their transcription. Once bound to the promoter, this complex associates with the non-DNA-binding factor MHC class II transactivator, which controls the cell type specificity and inducibility of MHC class II gene expression. This protein contains ankyrin repeats involved in protein-protein interactions. Mutations in this gene have been linked to bare lymphocyte syndrome type II, complementation group B. Multiple alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Jul 2013]



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Product images:

