

# Product datasheet for KN200458RB

## IRF5 Human Gene Knockout Kit (CRISPR)

### **Product data:**

#### OriGene Technologies, Inc.

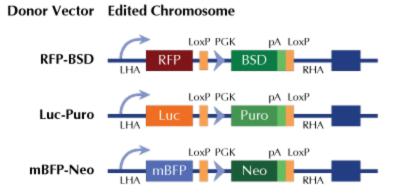
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Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 RFP-BSD donor, 1 scramble control
Donor DNA:	RFP-BSD
Symbol:	IRF5
Locus ID:	3663
Components:	<ul> <li>KN200458G1, IRF5 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)</li> <li>KN200458G2, IRF5 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)</li> <li>KN200458RBD, donor DNA containing left and right homologous arms and RFP-BSD functional cassette.</li> <li>GE100003, scramble sequence in pCas-Guide vector</li> </ul>
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:	<u>NM 001098627, NM 001098628, NM 001098629, NM 001098630, NM 001098631, NM 001098631, NM 001242452, NM 002200, NM 032643, NM 001347928, NM 001364314</u>
UniProt ID:	<u>Q13568</u>
Synonyms:	SLEB10
Summary:	This gene encodes a member of the interferon regulatory factor (IRF) family, a group of transcription factors with diverse roles, including virus-mediated activation of interferon, and modulation of cell growth, differentiation, apoptosis, and immune system activity. Members of the IRF family are characterized by a conserved N-terminal DNA-binding domain containing tryptophan (W) repeats. Alternative promoter use and alternative splicing result in multiple transcript variants, and a 30-nt indel polymorphism (SNP rs60344245) can result in loss of a 10-aa segment. [provided by RefSeq, Dec 2016]



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#### **Product images:**



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

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