

## Product datasheet for **KN209951LP**

### IRF3 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:	IRF3
Locus ID:	3661
Components:	<b>KN209951G1</b> , IRF3 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN209951G2</b> , IRF3 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN209951LPD</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_001197122</a> , <a href="#">NM_001197123</a> , <a href="#">NM_001197124</a> , <a href="#">NM_001197125</a> , <a href="#">NM_001197126</a> , <a href="#">NM_001197127</a> , <a href="#">NM_001197128</a> , <a href="#">NM_001571</a> , <a href="#">NR_045568</a>
UniProt ID:	<a href="#">Q14653</a>
Summary:	This gene encodes a member of the interferon regulatory transcription factor (IRF) family. The encoded protein is found in an inactive cytoplasmic form that upon serine/threonine phosphorylation forms a complex with CREBBP. This complex translocates to the nucleus and activates the transcription of interferons alpha and beta, as well as other interferon-induced genes. The protein plays an important role in the innate immune response against DNA and RNA viruses. Mutations in this gene are associated with Encephalopathy, acute, infection-induced, herpes-specific, 7. [provided by RefSeq, Sep 2020]



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## Product images:

