

## Product datasheet for **KN203500BN**

### IRF1 Human Gene Knockout Kit (CRISPR)

#### Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 mBFP-Neo donor, 1 scramble control
Donor DNA:	mBFP-Neo
Symbol:	IRF1
Locus ID:	3659
Components:	<p><b>KN203500G1</b>, IRF1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)</p> <p><b>KN203500G2</b>, IRF1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)</p> <p><b>KN203500BND</b>, donor DNA containing left and right homologous arms and mBFP-Neo functional cassette.</p> <p><b>GE100003</b>, scramble sequence in pCas-Guide vector</p>
RefSeq:	<a href="#">NM_002198</a> , <a href="#">NM_001354924</a> , <a href="#">NM_001354925</a> , <a href="#">NR_149068</a> , <a href="#">NR_149069</a>
UniProt ID:	<a href="#">P10914</a>
Synonyms:	IRF-1; MAR
Summary:	<p>The protein encoded by this gene is a transcriptional regulator and tumor suppressor, serving as an activator of genes involved in both innate and acquired immune responses. The encoded protein activates the transcription of genes involved in the body's response to viruses and bacteria, playing a role in cell proliferation, apoptosis, the immune response, and DNA damage response. This protein represses the transcription of several other genes. As a tumor suppressor, it both suppresses tumor cell growth and stimulates an immune response against tumor cells. Defects in this gene have been associated with gastric cancer, myelogenous leukemia, and lung cancer. [provided by RefSeq, Aug 2017]</p>



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## Product images:

