

## Product datasheet for **KN218565**

### Interferon beta (IFNB1) Human Gene Knockout Kit (CRISPR)

#### Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 GFP-puro donor, 1 scramble control
Donor DNA:	GFP-puro
Symbol:	Interferon beta
Locus ID:	3456
Components:	<p><b>KN218565G1</b>, Interferon beta gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: AATTGGAGGAGACACTTGT</p> <p><b>KN218565G2</b>, Interferon beta gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TCCAAGCAAGTTGTAGCTCA</p> <p><b>KN218565D</b>, donor DNA containing left and right homologous arms and GFP-puro functional cassette.</p> <p><b>GE100003</b>, scramble sequence in pCas-Guide vector</p>
RefSeq:	<u><a href="#">NM_002176</a></u>
UniProt ID:	<u><a href="#">P01574</a></u>
Synonyms:	IFB; IFF; IFNB
Summary:	<p>This gene encodes a cytokine that belongs to the interferon family of signaling proteins, which are released as part of the innate immune response to pathogens. The protein encoded by this gene belongs to the type I class of interferons, which are important for defense against viral infections. In addition, type I interferons are involved in cell differentiation and anti-tumor defenses. Following secretion in response to a pathogen, type I interferons bind a homologous receptor complex and induce transcription of genes such as those encoding inflammatory cytokines and chemokines. Overactivation of type I interferon secretion is linked to autoimmune diseases. Mice deficient for this gene display several phenotypes including defects in B cell maturation and increased susceptibility to viral infection. [provided by RefSeq, Sep 2015]</p>



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## Product images:

