

Product datasheet for KN209951LP

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

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: KN209951G1, IRF3 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN209951G2, IRF3 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN209951LPD, donor DNA containing left and right homologous arms and Luciferase-Puro

functional cassette.

GE100003, scramble sequence in pCas-Guide vector

RefSeq: NM 001197122, NM 001197123, NM 001197124, NM 001197125, NM 001197126,

NM 001197127, NM 001197128, NM 001571, NR 045568

UniProt ID: Q14653

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-

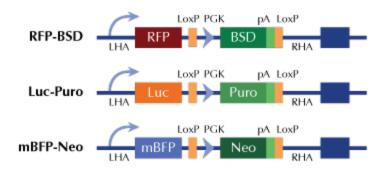
induced, herpes-specific, 7. [provided by RefSeq, Sep 2020]





Product images:

Donor Vector Edited Chromosome



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