

### Product datasheet for KN317964BN

## **Tnf Mouse 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

Tnf Symbol:

Locus ID: 21926

**KN317964G1**, Tnf gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) Components:

**KN317964G2**, Tnf gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN317964BND, donor DNA containing left and right homologous arms and mBFP-Neo

functional cassette.

GE100003, scramble sequence in pCas-Guide vector

NM 001278601, NM 013693 RefSeq:

**UniProt ID:** P06804

Synonyms: DIF; TNF-a; TNF-alpha; Tnfa; TNFalpha; Tnfsf1a; TNFSF2; Tnlg1f

This gene encodes a multifunctional proinflammatory cytokine that belongs to the tumor **Summary:** 

> necrosis factor (TNF) superfamily. Members of this family are classified based on primary sequence, function, and structure. This protein is synthesized as a type-II transmembrane protein and is reported to be cleaved into products that exert distinct biological functions. It plays an important role in the innate immune response as well as regulating homeostasis but is also implicated in diseases of chronic inflammation. In mouse deficiency of this gene is associated with defects in response to bacterial infection, with defects in forming organized follicular dendritic cell networks and germinal centers, and with a lack of primary B cell follicles. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun

2013]



OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

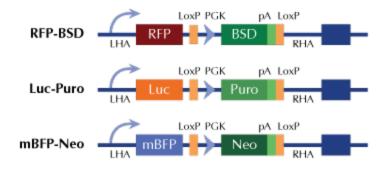
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



# **Product images:**

#### Donor Vector Edited Chromosome



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