

## 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
Symbol:	Tnf
Locus ID:	21926
Components:	<b>KN317964G1</b> , Tnf gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN317964G2</b> , Tnf gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN317964BND</b> , donor DNA containing left and right homologous arms and mBFP-Neo 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_001278601</a> , <a href="#">NM_013693</a>
UniProt ID:	<a href="#">P06804</a>
Synonyms:	DIF; TNF-a; TNF-alpha; Tnfa; TNFalpha; Tnfsf1a; TNFSF2; Tnlg1f
Summary:	This gene encodes a multifunctional proinflammatory cytokine that belongs to the tumor 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]



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## Product images:

