

Product datasheet for KN221337BN

OriGene Technologies, Inc.

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TNFAIP3 Human Gene Knockout Kit (CRISPR)

Product data:

Locus ID:

Product Type: Knockout Kits (CRISPR)

Format: 2 gRNA vectors, 1 mBFP-Neo donor, 1 scramble control

Donor DNA: mBFP-Neo TNFAIP3 Symbol: 7128

KN221337G1, TNFAIP3 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) Components:

KN221337G2, TNFAIP3 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN221337BND, donor DNA containing left and right homologous arms and mBFP-Neo

functional cassette.

GE100003, 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: NM 001270507, NM 001270508, NM 006290

UniProt ID: P21580

Synonyms: A20; AISBL; OTUD7C; TNFA1P2

Summary: This gene was identified as a gene whose expression is rapidly induced by the tumor necrosis

> factor (TNF). The protein encoded by this gene is a zinc finger protein and ubiqitin-editing enzyme, and has been shown to inhibit NF-kappa B activation as well as TNF-mediated apoptosis. The encoded protein, which has both ubiquitin ligase and deubiquitinase

activities, is involved in the cytokine-mediated immune and inflammatory responses. Several transcript variants encoding the same protein have been found for this gene. [provided by

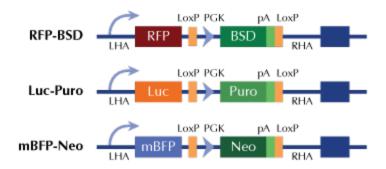
RefSeq, Jul 2012]





Product images:

Donor Vector Edited Chromosome



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