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Product datasheet for KN221337

TNFAIP3 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: TNFAIP3

Locus ID: 7128

Components: **KN221337G1**, TNFAIP3 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TTGCTCAAATACAAAGCCTG
KN221337G2, TNFAIP3 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GCGGAAAGCTGTGAAGATAC
KN221337D, donor DNA containing left and right homologous arms and GFP-puro functional cassette.
Homologous arm and GFP-puro sequences:

pUC vector backbone in gray; Left arm sequence in blue; GFP-puro in green; Right arm in violet

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TACAGGCATC GTGGTGTCAC GCTCGTCGTT TGGTATGGCT TCATTCAGCT CCGGTTCCCA ACGATC

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.

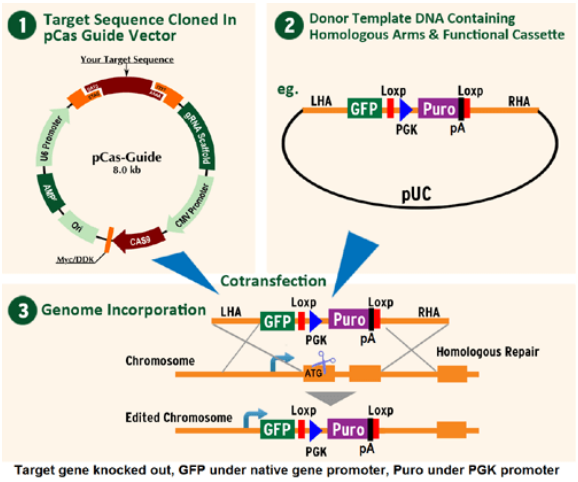
RefSeq: NM_001270507, NM_001270508, NM_006290

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:



Target gene knocked out, GFP under native gene promoter, Puro under PGK promoter