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Product datasheet for KN201916BN

TRIM29 Human 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: TRIM29

Locus ID: 23650

Components: **KN201916G1**, TRIM29 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)
KN201916G2, TRIM29 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)
KN201916BND, donor DNA containing left and right homologous arms and mBFP-Neo functional cassette.
Homologous arm and mBFP-Neo sequences:
pUC vector backbone in gray; Left arm sequence in blue; mBFP-Neo in green; Right arm in violet

CCCATCCTTC CCCCTTAAGG TGAAAAGCAG CGATACAGTC CCAGGGTGGA CAATCTTTCC TCTGAAACTC
AGGCCTGCAA ATTACAAGGC TATTTGGCTT GTGTGACCCA GTTAACAGCC CTGTGTCTGG TAGGCCTCTG
CAGACACCTC ACCTTCTGCC CCAGGGGCCT CTGGGCTCAG TGAAGCCTGC CCACTTGTGA AGACGGAGAC
TCCCCGCTCC CCGGATGAGA AGCAAGTGCG TCAGAGGGAA GCAGCCCAAC TGGTTGCTGA GTTGTGGAAA
ATAAGCTGGG GGAGAAAAAA CACTTCTTTT AAAAATCAGG TTAGGGATGA ATGTGCAGGG CGTGGTTCCT
GTGCAATTAT CTGCTCTGCT GGCTGCGGGG CTCCCTGCTT CTCCCGGGCC GCTGTGTCAG GCTTGTGCCT
GTTGCTCCTC CCCTCCACTC CTCCCCCTCC TCCTCCTCCG CCTCCTCCCC CTCCTCCTCC TCACAGGTGT
GTCTCTAGTC CTCGTGGTTG CCTGCCCCAC TCCCTGCCGA GACGCCTGCC AGAAAGGTCA CCTATCCTGA
ACCCCAGCAA GCCTGAAACA GCTCAGCCAA GCACCCTGCG GCCTGGAGAA TGGCACCAAG GCTGACGGCA
AGGATGCCAA GACCACCAAC GGGCACGGCG GGGAGGCAGC TGAGGGCAAG AGCCTGGGCA GCGCCCTGAA
GCCAGGGGAA GGTAGGAGCG CCCTGTTCGC GGGCAATGAG TGGCGGCGAC CCATCATCCA GTTTGTCGAG
TCCGGGGACG ACAAGAACTC CAACTACTTC AGCATGGACT CTATGGAAGG CAAGAGGTCG CCGTACGCAG
GGCTCCAGCT GGGGGCTGCC AAGAAGCCAC CCGTTACCTT TGCCGAAAAG GGCGAGCTGC GCAAGTCCAT
TTTCTCGGAG TCCCGGAAGC CCACGGTGTC CATCATGGAG CCCGGGGAGA CCCGGCGGAA CAGCTACCCC
CGGGCCGACA CGGGCCTTTT TTCACGGTCC AAGTCCGGCT CCGAGGAGGT GCTGTGCGAC TCCTGCATCG
GCAACAAGCA GAAGGCGGTC AAGTCCTGCC TGGTGTGCCA GGCCTCCTTC TGCGAGCTGC ATCTCAAGCC
CCACCTGGAG GGCGCCGCCT TCCGAGACCA CCAGCTGCTC GAGCCCATCC GGGACTTTGA GGCCCGCAAG
TGTCCCGTGC

GE100003, scramble sequence in pCas-Guide vector

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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.

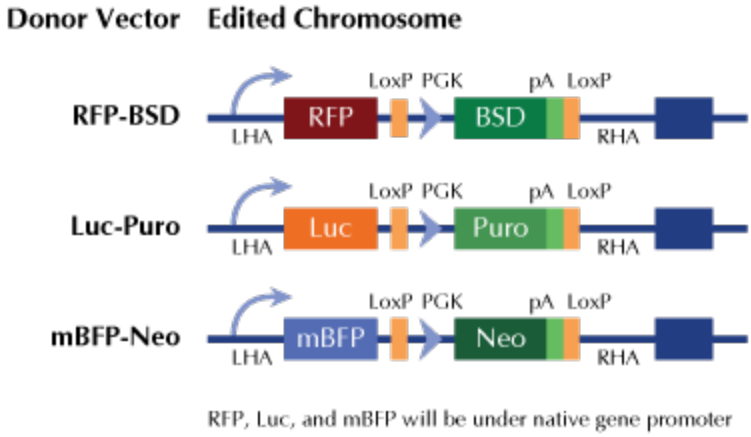
RefSeq: NM_001330382, NM_012101, NM_058193

UniProt ID: Q14134

Synonyms: ATDC

Summary: The protein encoded by this gene belongs to the TRIM protein family. It has multiple zinc finger motifs and a leucine zipper motif. It has been proposed to form homo- or heterodimers which are involved in nucleic acid binding. Thus, it may act as a transcriptional regulatory factor involved in carcinogenesis and/or differentiation. It may also function in the suppression of radiosensitivity since it is associated with ataxia telangiectasia phenotype. [provided by RefSeq, Jul 2008]

Product images:



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