

Product datasheet for **KN208851LP**

BCMA (TNFRSF17) Human Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 Luciferase-Puro donor, 1 scramble control
Donor DNA:	Luciferase-Puro
Symbol:	BCMA
Locus ID:	608
Components:	<p>KN208851G1, BCMA gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TAACGCTGACATGTTAGAGG</p> <p>KN208851G2, BCMA gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TTGCTTGAACGATTATTCAT</p> <p>KN208851LPD, donor DNA containing left and right homologous arms and Luciferase-Puro functional cassette.</p>

Homologous arm and Luciferase-Puro sequences:

pUC vector backbone in gray; Left arm sequence in blue; Luciferase-Puro in green; Right arm in violet

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CCTTTTGCTT TTTGACTCCC AAAGTCCTGG GATTACAGGT GTGAACCCCT GCAGCTGGCC TCAATGTAA
GATCTTAAGG GGCACAGCAC AGACCTTGTC TTGTCTATCT CCCTGGCACC TCTCACAGAG TACAGCTTAT
TAACAGATGT TCCAGAAACT GTTACTGAAC ATTCGGCTTG ATGCTGTGGG CTTGTCTGCA TCTTGAACCT
GTCACCTGGC TGAGAAATTT CTTCTATAAA TAAGCAGTTT CTGTTTCAGA TGTGATATGC CCGATATTT
ACACCCCTGC TCTTACCCCA TCCAAGACTC AAACCTAGAA ACTTGAATTA GATGTGGTAT TCAAATCCTT
AGTGCCCGCG AAGACACAGA CAGCCCCCGT AAGAACCAC GAAGCAGGCG AAGTTCATTG TTCTCAACAT
TCTAGCTGCT CTTGCTGCAT TTGCTCTGGA ATTCTTGTAG AGATATTACT TGTCTTCCA GGCTGTTCTT
TCTGTAGCTC CTTGTTTTTC TTTTGTGAT CATGTTGCAG ATGGCTGGGC AGTGCTCCCA AAATGAATAT
TTTGACAGTT TGTTCATGC TTGCATACCT TGTCACTTC ATATGGACTG CTTATTGAGA GAATCAACAT
AATGGGCATG ATGGTGAGTT TTCTTGAATC AAAAAGAGAA AGGAAGCAAG GCAGTGATTT TAATGTTTAT
GGAACAAAG TAATTATTTG GAACTGAATC TGATATGATT CAGCACTATT AGCAACATAG ATTTTTTTTA
AAAATCAGCT CTTCTAATTA AGTGATATT AGAATTTAAA AGTCAATGTT CATTAAATTA GGTGATTGAA
TGAAATAAT CCATACTGA TTATTTTGTCT ATCAAAACAA TCCATAATTC ATTATTTTAG CAAAATAATC
AAGTATGACA GCCGGGTGCG GTGGATGGCT CACACCTGTA ATCCCAGCAC TTTGGGAGGC CGAGGTGGGT
GAATCACCTG AGGTCGGCAG TTTGAGGCCA GCCTGGCCAA CCTGGTAAA CCCTGTCTCT ACTAAAAATA
CAAAAAATTA GCTGGGCATG GTGGCACAGG TCTGTAATCC CAGCTACTCG GGAGGCTGAG GCAGGAGAAT
TGTTTGAATC TGGGAGGTGG AGGTTGCAGT GAGCCGAGAT CGGCCACTG CACTCTAGCC TGGGCAACAG
AGCAAGACTT

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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_001192](#)

UniProt ID: [Q02223](#)

Synonyms: BCM; BCMA; CD269; TNFRSF13A

Summary: The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor is preferentially expressed in mature B lymphocytes, and may be important for B cell development and autoimmune response. This receptor has been shown to specifically bind to the tumor necrosis factor (ligand) superfamily, member 13b (TNFSF13B/TALL-1/BAFF), and to lead to NF-kappaB and MAPK8/JNK activation. This receptor also binds to various TRAF family members, and thus may transduce signals for cell survival and proliferation. [provided by RefSeq, Jul 2008]

Product images:

