

Product datasheet for **KN215750BN**

CARD15 (NOD2) 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:	CARD15
Locus ID:	64127
Components:	<p>KN215750G1, CARD15 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)</p> <p>KN215750G2, CARD15 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)</p> <p>KN215750BND, donor DNA containing left and right homologous arms and mBFP-Neo functional cassette.</p> <p>GE100003, scramble sequence in pCas-Guide vector</p>
Disclaimer:	<p>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.</p>
RefSeq:	NM_001293557 , NM_022162 , NM_001370466 , NR_163434
UniProt ID:	Q9HC29
Synonyms:	ACUG; BLAU; CARD15; CD; CLR16.3; IBD1; NLRC2; NOD2B; PSORAS1
Summary:	<p>This gene is a member of the Nod1/Apaf-1 family and encodes a protein with two caspase recruitment (CARD) domains and six leucine-rich repeats (LRRs). The protein is primarily expressed in the peripheral blood leukocytes. It plays a role in the immune response to intracellular bacterial lipopolysaccharides (LPS) by recognizing the muramyl dipeptide (MDP) derived from them and activating the NFkB protein. Mutations in this gene have been associated with Crohn disease and Blau syndrome. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jun 2014]</p>



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Product images:

