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Product datasheet for TL305650V

CARD15 (NOD2) Human shRNA Lentiviral Particle (Locus ID 64127)

Product data:

Product Type:	shRNA Lentiviral Particles
Product Name:	CARD15 (NOD2) Human shRNA Lentiviral Particle (Locus ID 64127)
Locus ID:	64127
Synonyms:	ACUG; BLAU; BLAUS; CARD15; CD; CLR16.3; IBD1; NLRC2; NOD2B; PSORAS1; YAOS
Vector:	pGFP-C-shLenti (TR30023)
Format:	Lentiviral particles
Components:	NOD2 - Human shRNA lentiviral particles (4 unique 29mer target-specific shRNA, 1 scramble control), 0.5 ml each, >10^7 TU/ml.
RefSeq:	NM_001293557, NM_022162, NM_022162.1, NM_022162.2, NM_001293557.1, BC152737, BC156571, NM_001370466, NR_163434, NM_022162.3, NM_001293557.2
UniProt ID:	Q9HC29
Summary:	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]
shRNA Design:	These shRNA constructs were designed against multiple splice variants at this gene locus. To be certain that your variant of interest is targeted, please contact techsupport@origene.com. If you need a special design or shRNA sequence, please utilize our custom shRNA service.

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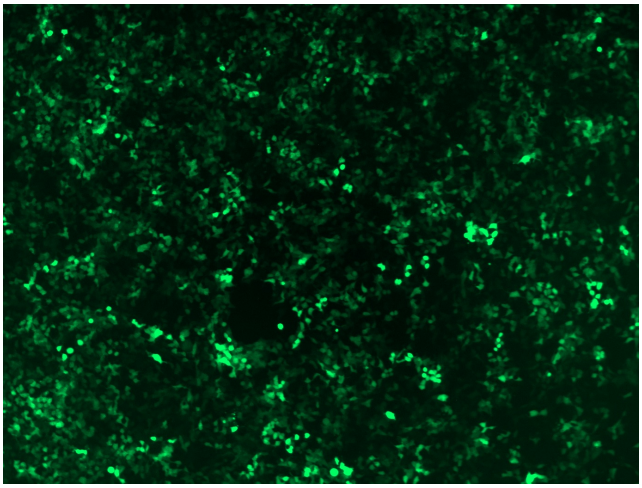
Performance Guaranteed:

OriGene guarantees that the sequences in the shRNA expression cassettes are verified to correspond to the target gene with 100% identity. One of the four constructs at minimum are guaranteed to produce 70% or more gene expression knock-down provided a minimum transfection efficiency of 80% is achieved. Western Blot data is recommended over qPCR to evaluate the silencing effect of the shRNA constructs 72 hrs post transfection. To properly assess knockdown, the gene expression level from the included scramble control vector must be used in comparison with the target-specific shRNA transfected samples.

For non-conforming shRNA, requests for replacement product must be made within ninety (90) days from the date of delivery of the shRNA kit. To arrange for a free replacement with newly designed constructs, please contact Technical Services at techsupport@origene.com. Please provide your data indicating the transfection efficiency and measurement of gene expression knockdown compared to the scrambled shRNA control (Western Blot data preferred).

Product images:



GFP signal was observed under microscope at 48 hours after transduction of TL305650A virus into HEK293 cells. TL305650A virus was prepared using lenti-shRNA TL305650A and [TR30037] packaging kit.

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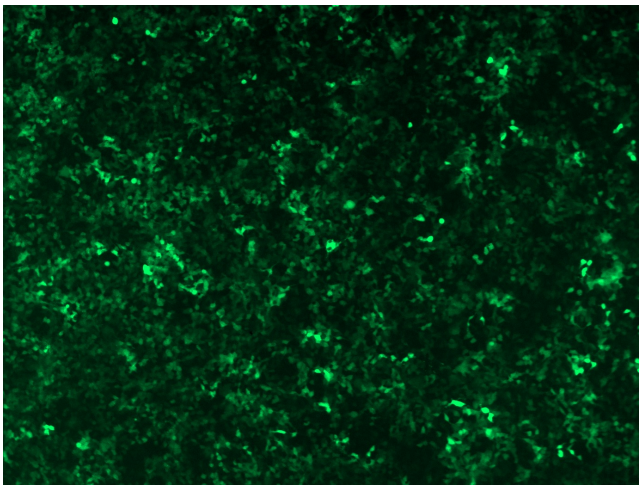
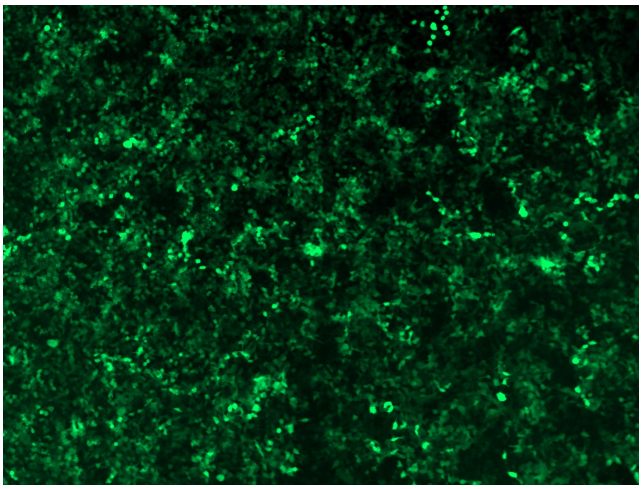


GFP signal was observed under microscope at 48 hours after transduction of [TL305650C] virus into HEK293 cells. [TL305650C] virus was prepared using lenti-shRNA [TL305650C] and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of [TL305650D] virus into HEK293 cells. [TL305650D] virus was prepared using lenti-shRNA [TL305650D] and [TR30037] packaging kit.

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