

## Product datasheet for **KN214107BN**

### Dectin 1 (CLEC7A) 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:	Dectin 1
Locus ID:	64581
Components:	<p><b>KN214107G1</b>, Dectin 1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)</p> <p><b>KN214107G2</b>, Dectin 1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)</p> <p><b>KN214107BND</b>, donor DNA containing left and right homologous arms and mBFP-Neo functional cassette.</p> <p><b>GE100003</b>, scramble sequence in pCas-Guide vector</p>
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:	<u><a href="#">NM_022570</a></u> , <u><a href="#">NM_197947</a></u> , <u><a href="#">NM_197948</a></u> , <u><a href="#">NM_197949</a></u> , <u><a href="#">NM_197950</a></u> , <u><a href="#">NM_197951</a></u> , <u><a href="#">NM_197952</a></u> , <u><a href="#">NM_197953</a></u> , <u><a href="#">NM_197954</a></u> , <u><a href="#">NR_125336</a></u>
UniProt ID:	<u><a href="#">Q9BXN2</a></u>
Synonyms:	BGR; CANDF4; CD369; CLECSF12; DECTIN1; SCARE2
Summary:	This gene encodes a member of the C-type lectin/C-type lectin-like domain (CTL/CTLD) superfamily. The encoded glycoprotein is a small type II membrane receptor with an extracellular C-type lectin-like domain fold and a cytoplasmic domain with an immunoreceptor tyrosine-based activation motif. It functions as a pattern-recognition receptor that recognizes a variety of beta-1,3-linked and beta-1,6-linked glucans from fungi and plants, and in this way plays a role in innate immune response. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. This gene is closely linked to other CTL/CTLD superfamily members on chromosome 12p13 in the natural killer gene complex region. [provided by RefSeq, Jul 2008]



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## Product images:

