

## Product datasheet for **KN211796BN**

### VLDL Receptor (VLDLR) 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:	VLDL Receptor
Locus ID:	7436
Components:	<b>KN211796G1</b> , VLDL Receptor gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GAGAGCGGCGCCACCGGAAC <b>KN211796G2</b> , VLDL Receptor gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CGTCCGCGCTCTGGGCGCTC <b>KN211796BND</b> , donor DNA containing left and right homologous arms and mBFP-Neo functional cassette. <b>GE100003</b> , scramble sequence in pCas-Guide vector

**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\\_001018056](#), [NM\\_003383](#), [NM\\_001322225](#), [NM\\_001322226](#)

**UniProt ID:** [P98155](#)

**Synonyms:** CAMRQ1; CARMQ1; CHRMQ1; VLDLRCH

**Summary:** The low density lipoprotein receptor (LDLR) gene family consists of cell surface proteins involved in receptor-mediated endocytosis of specific ligands. This gene encodes a lipoprotein receptor that is a member of the LDLR family and plays important roles in VLDL-triglyceride metabolism and the reelin signaling pathway. Mutations in this gene cause VLDLR-associated cerebellar hypoplasia. Alternative splicing generates multiple transcript variants encoding distinct isoforms for this gene. [provided by RefSeq, Aug 2009]



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## Product images:

