

## Product datasheet for **KN214967BN**

### ROR1 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:	ROR1
Locus ID:	4919
Components:	<p><b>KN214967G1</b>, ROR1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GCTGCTGCTGGCCGCACGCG</p> <p><b>KN214967G2</b>, ROR1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: ATGCACCGGCCGCGCCGCCG</p> <p><b>KN214967BND</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:** [NM\\_001083592](#), [NM\\_005012](#)

**UniProt ID:** [Q01973](#)

**Synonyms:** dj537F10.1; NTRKR1

**Summary:** This gene encodes a receptor tyrosine kinase-like orphan receptor that modulates neurite growth in the central nervous system. The encoded protein is a glycosylated type I membrane protein that belongs to the ROR subfamily of cell surface receptors. It is a pseudokinase that lacks catalytic activity and may interact with the non-canonical Wnt signalling pathway. This gene is highly expressed during early embryonic development but expressed at very low levels in adult tissues. Increased expression of this gene is associated with B-cell chronic lymphocytic leukaemia. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jun 2012]



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## Product images:

