

## Product datasheet for **KN207053RB**

### Galanin (GAL) Human Gene Knockout Kit (CRISPR)

#### Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 RFP-BSD donor, 1 scramble control
Donor DNA:	RFP-BSD
Symbol:	Galanin
Locus ID:	51083
Components:	<b>KN207053G1</b> , Galanin gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN207053G2</b> , Galanin gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN207053RBD</b> , donor DNA containing left and right homologous arms and RFP-BSD 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\\_015973](#)

**UniProt ID:** [P22466](#)

**Synonyms:** GAL-GMAP; GALN; GLNN; GMAP

**Summary:** This gene encodes a neuroendocrine peptide that is widely expressed in the central and peripheral nervous systems and also the gastrointestinal tract, pancreas, adrenal gland and urogenital tract. The encoded protein is a precursor that is proteolytically processed to generate two mature peptides: galanin and galanin message-associated peptide (GMAP). Galanin has diverse physiological functions including nociception, feeding and energy homeostasis, osmotic regulation and water balance. GMAP has been demonstrated to possess antifungal activity and hypothesized to be part of the innate immune system. [provided by RefSeq, Jul 2015]



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## Product images:

