

## Product datasheet for **KN212825BN**

### LGR5 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:	LGR5
Locus ID:	8549
Components:	<b>KN212825G1</b> , LGR5 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN212825G2</b> , LGR5 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN212825BND</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:	<a href="#">NM_001277226</a> , <a href="#">NM_001277227</a> , <a href="#">NM_003667</a> , <a href="#">NR_110596</a>
UniProt ID:	<a href="#">O75473</a>
Synonyms:	FEX; GPR49; GPR67; GRP49; HG38
Summary:	The protein encoded by this gene is a leucine-rich repeat-containing receptor (LGR) and member of the G protein-coupled, 7-transmembrane receptor (GPCR) superfamily. The encoded protein is a receptor for R-spondins and is involved in the canonical Wnt signaling pathway. This protein plays a role in the formation and maintenance of adult intestinal stem cells during postembryonic development. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2015]



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Product images:

