

## Product datasheet for **KN306425RB**

### Gfral Mouse 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:	Gfral
Locus ID:	404194
Components:	<b>KN306425G1</b> , Gfral gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN306425G2</b> , Gfral gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN306425RBD</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:	<a href="#">NM_205844</a> , <a href="#">NR_153419</a>
UniProt ID:	<a href="#">Q6SJE0</a>
Synonyms:	AY457637; Gral
Summary:	Brainstem-restricted receptor for GDF15 which regulates food intake, energy expenditure and body weight in response to metabolic and toxin-induced stresses (PubMed:28953886, PubMed:28846099, PubMed:28846097, PubMed:28846098). Upon interaction with its ligand, GDF15, interacts with RET and induces cellular signaling through activation of MAPK- and AKT- signaling pathways (PubMed:28846098, PubMed:28846099).[UniProtKB/Swiss-Prot Function]



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## Product images:

