

Product datasheet for **KN307104BN**

Gnrh1 Mouse 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:	Gnrh1
Locus ID:	14714
Components:	KN307104G1 , Gnrh1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) KN307104G2 , Gnrh1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) KN307104BND , donor DNA containing left and right homologous arms and mBFP-Neo functional cassette. GE100003 , 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_008145 , NR_133010
UniProt ID:	P13562
Synonyms:	Gnrh; Gnrh2; hpg; LHRH; Lhrh1; Lnrh
Summary:	This gene encodes hypophysiotropic peptides belonging to the family of gonadotropin-releasing hormones that stimulate the release of gonadotropins and suppress secretion of prolactin from the pituitary gland. The encoded protein is proteolytically processed to generate two biologically active mature peptides. A deletional mutation encompassing the distal half of this gene in mice resulting in the loss of the encoded protein leads to hypogonadism and infertility. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2015]



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Product images:

