

Product datasheet for **RC212991L4V**

GnRH (GNRH1) (NM_000825) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	GnRH (GNRH1) (NM_000825) Human Tagged ORF Clone Lentiviral Particle
Symbol:	GnRH
Synonyms:	GNRH; GRH; LHRH; LNRH
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_000825
ORF Size:	276 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC212991).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_000825.2
RefSeq Size:	2166 bp
RefSeq ORF:	291 bp
Locus ID:	2796
Cytogenetics:	8p21.2
Protein Families:	Druggable Genome, Secreted Protein
Protein Pathways:	GnRH signaling pathway
MW:	10.4 kDa



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Gene Summary:

This gene encodes a preproprotein that is proteolytically processed to generate a peptide that is a member of the gonadotropin-releasing hormone (GnRH) family of peptides. Alternative splicing results in multiple transcript variants, at least one of which is secreted and then cleaved to generate gonadoliberein-1 and GnRH-associated peptide 1. Gonadoliberein-1 stimulates the release of luteinizing and follicle stimulating hormones, which are important for reproduction. Mutations in this gene are associated with hypogonadotropic hypogonadism. [provided by RefSeq, Nov 2015]