

Product datasheet for **RC203283L4V**

Relaxin 1 (RLN1) (NM_006911) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Relaxin 1 (RLN1) (NM_006911) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Relaxin 1
Synonyms:	bA12D24.3.1; bA12D24.3.2; H1; H1RLX; RLXH1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_006911
ORF Size:	555 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC203283).
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_006911.2
RefSeq Size:	1019 bp
RefSeq ORF:	558 bp
Locus ID:	6013
UniProt ID:	P04808
Cytogenetics:	9p24.1
Domains:	IIGF
Protein Families:	Secreted Protein



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MW: 21.1 kDa

Gene Summary: Relaxins are known endocrine and autocrine/paracrine hormones, belonging to the insulin gene superfamily. In humans there are three non-allelic relaxin genes, RLN1, RLN2 and RLN3, where RLN1 and RLN2 share high sequence homology. The protein encoded by this gene is synthesized as a single-chain polypeptide but the active form consists of an A chain and a B chain linked by disulfide bonds. Relaxin is produced by the ovary, and targets the mammalian reproductive system to ripen the cervix, elongate the pubic symphysis and inhibit uterine contraction. It may have additional roles in enhancing sperm motility, regulating blood pressure, controlling heart rate and releasing oxytocin and vasopressin. [provided by RefSeq, Jan 2013]