

Product datasheet for RG219807

Relaxin 2 (RLN2) (NM_005059) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids Product Name: Relaxin 2 (RLN2) (NM_005059) Human Tagged ORF Clone Tag: TurboGFP Symbol: RLN2 Synonyms: bA12D24.1.1; bA12D24.1.2; H2; H2-RLX; RLXH2 **Mammalian Cell** Neomycin Selection: Vector: pCMV6-AC-GFP (PS100010) E. coli Selection: Ampicillin (100 ug/mL) **ORF** Nucleotide >RG219807 representing NM_005059 Red=Cloning site Blue=ORF Green=Tags(s) Sequence: TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGCCTCGCCTGTTTTTTTCCACCTGCTAGGAGTCTGTTTACTACTGAACCAATTTTCCAGAGCAGTCG CGGACTCATGGATGGAGGAAGTTATTAAATTATGCGGCCGCGAATTAGTTCGCGCGCAGATTGCCATTTG CGGCATGAGCACCTGGAGCAAAAGGTCTCTGAGCCAGGAAGATGCTCCTCAGACACCTAGACCAGTGGCA GCTTCACCCGAGAGTTCCTTGGTGCCCTTTCCAAATTGTGCCATCCTTCATCAACAAAGATACAGAAACC Α ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA >RG219807 representing NM_005059 **Protein Sequence:** Red=Cloning site Green=Tags(s) MPRLFFFHLLGVCLLLNQFSRAVADSWMEEVIKLCGRELVRAQIAICGMSTWSKRSLSQEDAPQTPRPVA GDFIQTVSLGISPDGGKALRTGSCFTREFLGALSKLCHPSSTKIQKP TRTRPLE - GFP Tag - V **Restriction Sites:** Sgfl-Mlul

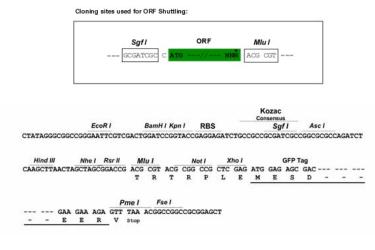
View online »

This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2022 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

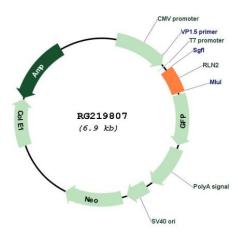
OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Cloning Scheme:



Plasmid Map:



ACCN:
ORF Size:
OTI Disclaimer:

ACCNI

NM_005059

351 bp

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. <u>More info</u>

This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2022 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

CRIGENE Relaxin 2 (RLN2) (NM_005059) Human Tagged ORF Clone – RG219807		
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.	
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).	
Reconstitution Method:	 Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C. 	
RefSeq:	<u>NM 005059.3</u>	
RefSeq Size:	889 bp	
RefSeq ORF:	354 bp	
Locus ID:	6019	
UniProt ID:	<u>P04090</u>	
Cytogenetics:	9p24.1	
Domains:	IIGF	
Protein Families:	Secreted Protein	
Gene Summary:	This gene encodes a member of the relaxin subfamily and insulin superfamily of peptide hormones. In humans there are three non-allelic relaxin genes. This gene encodes multiple protein isoforms, at least one of which undergoes proteolytic processing. This processing generates relaxin A and B chains that are linked by disulfide bonds to form the mature peptide hormone. This hormone plays a role in the male and female reproductive systems and was initially noted for its role in pregnancy. This protein also plays broader roles in the cardiovascular system, including in the regulation of blood pressure and control of heart rate, and data from animal models shows that this protein may have anti-fibrotic and cardioprotective effects. [provided by RefSeq, Jul 2016]	

This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2022 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US