

Product datasheet for RG218745

Relaxin 3 (RLN3) (NM_080864) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids Product Name: Relaxin 3 (RLN3) (NM_080864) Human Tagged ORF Clone Tag: TurboGFP RLN3 Symbol: Synonyms: H3; insl7; RXN3; ZINS4 **Mammalian Cell** Neomycin Selection: Vector: pCMV6-AC-GFP (PS100010) E. coli Selection: Ampicillin (100 ug/mL) **ORF** Nucleotide >RG218745 representing NM_080864 Red=Cloning site Blue=ORF Green=Tags(s) Sequence: TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGCCAGGTACATGCTGCTGCTGCTCCTGGCGGTATGGGTGCTGACCGGGGAGCTGTGGCCGGGAGCTG AGGCCCGGGCAGCGCCTTACGGGGTCAGGCTTTGCGGCCGAGAATTCATCCGAGCAGTCATCTTCACCTG CGGGGGCTCCCGGTGGAGACGATCAGACATCCTGGCCCACGAGGCTATGGGAGATACCTTCCCGGATGCA CCAAGTCACCCCAGGCCTTTTACAGGGGGCGACCCAGCTGGCAAGGAACCCCTGGGGTTCTTCGGGGCAG CCGAGATGTCCTGGCTGGCCTTTCCAGCAGCTGCTGCAAGTGGGGGGTGTAGCAAAAGTGAAATCAGTAGC CTTTGC ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA >RG218745 representing NM_080864 **Protein Sequence:** Red=Cloning site Green=Tags(s) MARYMLLLLLAVWVLTGELWPGAEARAAPYGVRLCGREFIRAVIFTCGGSRWRRSDILAHEAMGDTFPDA DADEDSLAGELDEAMGSSEWLALTKSPQAFYRGRPSWQGTPGVLRGSRDVLAGLSSSCCKWGCSKSEISS LC TRTRPLE - GFP Tag - V **Restriction Sites:** Sgfl-Mlul

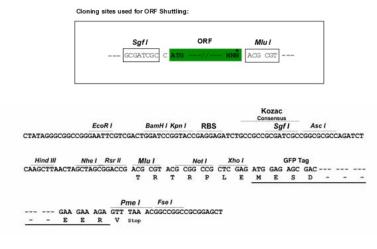


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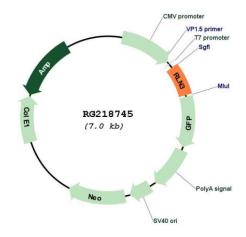
OriGene Technologies, Inc.

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Cloning Scheme:



Plasmid Map:



ACCN:	NM_080864
ORF Size:	426 bp
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. <u>More info</u>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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ORIGENE Relaxin 3 (RLN3) (NM_080864) Human Tagged ORF Clone – RG218745	
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 080864.4</u>
RefSeq Size:	452 bp
RefSeq ORF:	429 bp
Locus ID:	117579
UniProt ID:	Q8WXF3
Cytogenetics:	19p13.12
Protein Families:	Druggable Genome, Secreted Protein
Gene Summary:	This gene encodes a member of the relaxin family of insulin-like hormones that is expressed predominantly in the brain and plays a role in physiological processes such as stress, memory and appetite regulation. The encoded protein is a precursor that is proteolytically processed to generate a heterodimeric mature form consisting A and B chains interlinked by disulfide bonds. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2015]

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