

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
Symbol: RLN3
Synonyms: H3; insl7; RXN3; ZINS4
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG218745 representing NM_080864
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCAGGTACATGCTGCTGCTCCTGGCGGTATGGGTGCTGACCGGGGAGCTGTGGCCGGGAGCTG
 AGGCCCGGGCAGCGCCTTACGGGGTCAAGCTTTGCGGCCGAGAATTCATCCGAGCAGTCATCTTACCTG
 CGGGGGTCCCGGTGGAGACGATCAGACATCCTGGCCACGAGGCTATGGGAGATACCTTCCCGGATGCA
 GATGCTGATGAAGACAGTCTGGCAGGCGAGCTGGATGAGGCCATGGGGTCCAGCGAGTGGCTGGCCCTGA
 CCAAGTCACCCAGGCCTTTACAGGGGGCGACCCAGCTGGCAAGGAACCCTGGGGTCTTCGGGGCAG
 CCGAGATGTCCTGGCTGGCCTTCCAGCAGCTGCTGCAAGTGGGGTGTAGCAAAAGTAAATCAGTAGC
 CTTTGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG218745 representing NM_080864
 Red=Cloning site Green=Tags(s)

MARYMLLLLLAVWLTGELWPGAEARAAPYGVRLCGREFIRAVIFTCCGSRWRRSDILAHEAMGDTFPDA
 DADEDSLAGELEAMGSSEWLALTKSPQAFYRGRPSWQGTGVLGRSRDVLAGLSSSCCKWGCSKSEISS
 LC

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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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:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. 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:	<u>Q8WXF3</u>
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]