

Product datasheet for **SC305868**

Relaxin 3 (RLN3) (NM_080864) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Relaxin 3 (RLN3) (NM_080864) Human Untagged Clone
Tag: Tag Free
Symbol: Relaxin 3
Synonyms: H3; insl7; RXN3; ZINS4
Mammalian Cell Selection: None
Vector: pCMV6-XL5
E. coli Selection: Ampicillin (100 ug/mL)
Fully Sequenced ORF: >OriGene ORF sequence for NM_080864 edited
 ATGGCCAGGTACATGCTGCTGCTGCTCCTGGCGGTATGGGTGCTGACCGGGGAGCTGTGG
 CCGGGAGCTGAGGCCCGGGCAGCGCCTTACGGGGTCAGGCTTTGCGGCCGAGAATTCATC
 CGAGCAGTCATCTTACCTGCGGGGGCTCCCGGTGGAGACGATCAGACATCCTGGCCAC
 GAGGCTATGGGAGATACCTTCCCGGATGCAGATGCTGATGAAGACAGTCTGGCAGGCGAG
 CTGGATGAGGCCATGGGGTCCAGCGAGTGGCTGGCCCTGACCAAGTCACCCAGGCCCTTT
 TACAGGGGGCAGCCAGCTGGCAAGGAACCCCTGGGGTTCTTCGGGGCAGCCGAGATGTC
 CTGGCTGGCCTTCCAGCAGCTGCTGCAAGTGGGGGTGTAGCAAAAGTAAATCAGTAGC
 CTTTGCTAG

5' Read Nucleotide Sequence: >OriGene 5' read for NM_080864 unedited
 NAGGTCATATATTTGTATACGACTCATATAGGGCGCCGCGATTANATCTGGTACCATG
 GCCAGGTACATGCTGCTGCTGCTCCTGGCGGTATGGGTGCTGACCGGGGAGCTGTGGCCG
 GGAGCTGAGGCCCGGGCAGCGCCTTACGGGGTCAGGCTTTGCGGCCGAGAATTCATCCGA
 GCAGTCATCTTACCTGCGGGGGCTCCCGGTGGAGACGATCAGACATCCTGGCCACGAG
 GCTATGGGAGATACCTTCCCGGATGCAGATGCTGATGAAGACAGTCTGGCAGGCGAGCTG
 GATGAGGCCATGGGGTCCAGCGAGTGGCTGGCCCTGACCAAGTCACCCAGGCCCTTTTAC
 AGGGGGCAGCCAGCTGGCAAGGAACCCCTGGGGTTCTTCGGGGCAGCCGAGATGTCCTG
 GCTGGCCTTCCAGCAGCTGCTGCAAGTGGGGGTAGCAAAAGTAAATCAGTAGCCTT
 TGCTAGTCTAGATTGCGGCCGCGGTCATAGCTGTTTTCTGAACAGATCCCGGGTGGCATC
 CCTGTGACCCCTCCCAAGTGCCTCTCCTGGCCCTGGAAGTTGCCACTCCAGTGCCACCA
 GCCTTGTCTAATAAAAATTAAGTTGCATCATTTTGTCTGACTAGGTGTCCTTCTATAATA
 TTATGGGGTGGAGGGGGTGGTATGGAGCAAGNGCAAGTTNGAAAGACACCTGTAAGG
 CCTGCGGGGTCTATTGGGAACAGCTGGAGTGCAGTGGCACAATCTGGGCTCACTGCAAT
 CTCCGCCCTCCTGGGGTCAAGCGATTCTNCTGCCTCAGCCTCCCGAGTGGTTGGGATTCCA
 GGCATGCTGGACCGNCTCAACTAAATTTGTTTTTTGGTAAAGACGGGGTTCCACATAT
 TGG



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Restriction Sites:	Please inquire
ACCN:	NM_080864
Insert Size:	440 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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:	NM_080864.2 , NP_543140.1
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:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the shorter transcript and encodes the longer isoform (1).</p>