

Product datasheet for **SC127441**

RRN3 (NM_018427) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RRN3 (NM_018427) Human Untagged Clone
Tag:	Tag Free
Symbol:	RRN3
Synonyms:	A-270G1.2; TIFIA
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC127441 sequence for NM_018427 edited (data generated by NextGen Sequencing)

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ATGGCGGCACCGCTGCTTCACACGCGTTTGCCGGGAGATGCGGCCGCTTCGTCTCTGCA
GTTAAGAAGCTGGGCGCTCGAGGACTGGGATTCAAATATGCGTGCAATTAGAGAATGAC
TTTTTCAATTCCTCCCCAAGAAAACTGTTCCGTTTGGTGGAAGTGTGACAGAAGCTTG
CTGAAGTACAAAAAGGTGAAACAAATGACTTTGAGTTGTTGAAGAACCAGCTGTTAGAT
CCAGACATAAAGGATGACCAGATCATCAACTGGCTGCTAGAATCCGTTCTTCTATCATG
TACTTGACAAAAGACTTTGAGCAACTTATCAGTATTATATTAAGATTGCCTTGTTGAAT
AGAAGTCAAACAGTAGTGGAAGAGTATTTGGCTTTTCTTGGAATCTTGATCAGCACAG
ACTGTTTTCTCAGACCGTGTCTCAGCATGATTGCTTCCCATTTTGTGCCTCCCGAGTG
ATCATTAAGGAAGGCGATGTAGATGTTTCAGATTCTGATGATGAAGATGATAATCTTCT
GCAAAATTTGACACATGTCACAGAGCCTTGCAATAATAGCAAGATATGTACCATCGACA
CCGTGGTTTCTCATGCCAATACTGGTGGAAAAATTTCCATTTGTTGAAAATCAGAGAGA
ACACTGGAATGTTACGTTCACTTAAGGATTAGTGATATTTTCCAACCTTGAGG
CATGAAATCTGGAGCTTATTATTGAAAACTACTCAAGTTGGATGTGAATGCATCCCGG
CAGGGTATTGAAGATGCTGAAGAAACAGCAACTCAAATTTGTGGTGGGACAGATTCCACG
GAAGGATTGTTTAAATATGGATGAAGATGAAGAACTGAACATGAAACAAAGGCTGGTCT
GAACGGCTCGACCAGATGGTGCATCCTGTAGCCGAGCGCTGGACATCCTGATGTCTTG
GTTTTGCTCTACATGAAGGATGTCTGCTATGTAGATGGTAAGGTTGATAACGGCAAAACA
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CAGGCTGCTGGAATTTATATTGGAAGCTTTTGGCAAGAGCTAAATTTATTCCTCTTATT
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GATTCGGGAACAAAGGCATTCTGCGATGTTGCTCTCCATGGACATTTTACTCAGCCTGC
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CCCCTGAAGATTTGCCTGCCCTCAGTGGTTAACTTTTTGCTGCAATCACAAATAAGTAC
CAGCTCGTCTTCTGCTACACCATCATTGAGAGGAACAATCGCCAGATGCTGCCAGTCATT
AGGAGTACCGCTGGAGGAGACTCAGTGCAGATCTGCACAAACCCGCTGGACACCTTCTTC
CCCTTTGATCCCTGTGTGCTGAAGAGGTCAAAGAAATTCATTGATCCTATTTATCAGGTG
TGGAAGACATGAGTGCTGAAGAGCTACAGGAGTTCAAGAAACCCATGAAAAAGGACATA
GTGGAAGATGAAGATGATGACTTTCTGAAAGGCGAAGTGCCCCAGAATGATACCGTGATT
GGGATCACACCAAGCTCCTTTGACACGCATTTCCGAAGTCCTTCAAGTAGTGTTGGCTCC
CCACCGTGTTGTACATGCAACCCAGTCCCTCTGA

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Clone variation with respect to NM_018427.3

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_018427 unedited
 AATACGACTCACTATAGGGCGGCCGCAATTTCGGCACGAGGCGCAACTTCCGGGACAGAG
 GCTGTGGCTGGAAGGAGCTGGGCATCCGGCCTGAGGCGCAGCGGTTCGCTTAGTTCGGCC
 CAATGGCGGCACCGCTGCTTCACACGCGTTTGCCGGGAGATGCGGCCGCTTCGTCTCTG
 CAGTTAAGAAGCTGGGCGCGTCGAGGACTGGGATTTCAAATATGCGTGCATTAGAGAATG
 ACTTTTTCAATTCTCCCCAAGAAAACTGTTTCGGTTTGGTGGAACTGTGACAGAAGTCT
 TGCTGAAGTACAAAAAGGGTGAACAAATGACTTTGAGTTGTTGAAGAACCAGCTGTTAG
 ATCCAGACATAAAGGATGACCAGATCATCAACTGGCTGCTAGAATTCCGTTCTTCTATCA
 TGTACTTGACAAAAGACTTTGAGCAACTTATCAGTATTATTAAGATTGCCTTGGTTGA
 ATAGAAGTCAAACAGTAGTGGAAGAGTATTTGGCTTTTCTTGGTAATCTTGATCAGCAC
 AGACTGTTTTCTCAGACCGTGTCTCAGCATGATTGCTTCCCATTTTGTGCCTCCCGAG
 TGATCATTAAAGGAAGGCGATGTAGATGTTTCAGATTCTGATGATGAAGATGATAATCTTC
 CTGCANATTTTGACACATGTCACAGAGCCTTGCNAATAATAGCAGATATGTACCATCGAC
 ACCGTGGTTTCTCATGCCAATACTGGTGGAAAAATTTCCATTTGTTGAAATCANAGAGA
 CACTGGATGNNTACGTCACTACTAGGNATAGTGATATTTTCCACCTTGAGCATGAANT
 CTNGAGCTTATATTGAAACTACTCAGTTTGATGTGATGCATCCGCCAGGTATTGAGATC
 TGAGAACACACTCAACTGTGGGGACGATCCAGNAGC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_018427 unedited
 ACCGCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTGGATTGAGGGACCTTTT
 ATTGGTATAAGAACGTAAGTTCCAGATTAACCATGTCATTGTTTCATTTTACCATGGAT
 TTTTTTCAAACTCCTTTGAAATTAACAGACTTATATGTAATGTCTTTCTACATTA
 AAATACTTCCCAACCCACAAAGACCCCACTTACTACTAATTTCTGGGAATTTCTGTTTA
 CTCGTTTTATCTAATATTAATAAATCAACATTTTGCCAGCAGTTAAAAAGACAACCTTAA
 AGTTCTCAAATTAATTTCCACCAAAACCCGAAAAGAAAACCAACCATATCCAAAATTTA
 AAGCAATAAAAAATTTCTATTTTCCAAAAAGTATTTACAGACTGAAATTCAACTCTACA
 TTGCCATCAATGTAATTATACAAGTGCATACAAAGCCCTGGAAAAGAGGAAGTATTTTAT
 TACAAAATATTTATGATCAAGAAAATATTGCTTGCCTTTAAATAAAGTGGCAGAAAATAA
 ATATGCTTAAAGATGGCCATTTTACAAGTAAACAAAAAAGTACACATGTAAGAAACAAA
 GTGAAATGCTTGAGCTTCAAAATGACTCTAGCAGTGTTCACAAAATTTGTTTTAAGC
 GAGGTCTTCTGAAGACTTCTCTGTTTAGTTATAAAAATACAAAAAGAGGCTTTAGAGAA
 GGATTTACCAAGCCGAATGTGCGATGCACACAGCCATCAGACCAAGACTGCACTAGCAA
 CTTCCACCTATTGTTGTGAGCAAAACCGTACACANNATATCTAAAAAATTTCTGTTTC
 CACAAAGGAAATCCNATAACTCAGTGATGCAGANAAAAGTACTCGATCTAATGGCCACA
 GGNAGCAGTTCTAGATCTAAGGGGACACTTGANAAGCCAAGGGTCAAAN

Restriction Sites:

NotI-NotI

ACCN:

NM_018427

Insert Size:

3750 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).

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:	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_018427.2, NP_060897.2</u>
RefSeq Size:	3756 bp
RefSeq ORF:	1956 bp
Locus ID:	54700
UniProt ID:	<u>Q9NYV6</u>
Cytogenetics:	16p13.11
Protein Families:	Transcription Factors
Gene Summary:	Required for efficient transcription initiation by RNA polymerase I. Required for the formation of the competent preinitiation complex (PIC). Dissociates from pol I as a consequence of transcription. In vitro, cannot activate transcription in a subsequent transcription reaction (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) encodes the longer isoform (1).