

Product datasheet for **SC115925**

RNPS1 (NM_006711) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RNPS1 (NM_006711) Human Untagged Clone
Tag:	Tag Free
Symbol:	RNPS1
Synonyms:	E5.1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_006711, the custom clone sequence may differ by one or more nucleotides

```
ATGGATTATCAGGAGTGAAAAAGAAGAGCTTGCTAGGAGTCAAAGAAAATAATAAAAAGTCCAGCACTA
GGGCTCCTTACCTACCAAACGCAAAGACCGCTCAGATGAGAAGTCCAAGGATCGCTCAAAGATAAAGG
GGCCACCAAGGAGTCGAGTGAGAAGGATCGCGGCCGGACAAAACCCGAAAGAGGCGCAGCGCTTCCAGT
GGTAGCAGCAGTACCAGGTCTCGGTCCAGCTCGACTTCCAGCTCAGGCTCCAGCACCAGCACTGGCTCAA
GCAGTGGTCCAGCTTCTCCTCAGCATCCAGCCGCTCAGGAAGCTCCAGCACCTCCCGCAGCTCCAGCTC
TAGCAGCTCTTCTGGCTCTCAAGTCTTCTCGGCGCAGACACGACAACAGGAGGCGCTCCCGCTCCAAA
TCCAAACCACCTAAAAGAGATGAAAAGGAGAGGAAAAGGCGGAGCCCATCTCCTAAGCCACCAAAGTGC
ACATTGGGAGACTCACCCGGAATGTGACAAAGGATCACATCATGGAGATATTTTCCACCTATGGGAAAAT
TAAAATGATTGACATGCCCGTGGAAAGGATGCATCCCCATCTGTCCAAAGGCTATGCGTAGTACGTTT
GAGAATCCAGATGAAGCCGAGAAGGCGCTGAAGCACATGGATGGAGGACAAATTGATGGCCAGGAGATCA
CTGCCACCGCGTCTGGCCCCCTGGCCTAGGCCACCCCCAGGAGATTCAGCCCTCCAGGAGAATGTT
GCCACCACCGCTATGTGGCGCAGGTCTCCCCACGGATGAGGAGAAGGTCCCGCTCCCGAGGCGCAGG
TCCCCGTGCGCCGGAGATCACGGTCCCCGGGCCGCCGCCACAGGAGCCGCTCCAGTCCAACCTCT
CCCATAA
```



[View online »](#)

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_006711 unedited
 GGGGGGNGGGGGGNNNNNNNNNTTTTNNNNNNNGTTTATCCCCGCCCGTTGNCGCA
 AAGGGCGGTAGGCGTGTACGGTGGNGAGTCTATAAAGCAGAGCTCATTTAGGTGACACT
 ATAGAATAACAAGTACTTGTCTTTTTGACAGCGGCCGGAATCGGCACGAGGGCGGGACT
 CAGACCCCGGGGAGCGCGGCCCTCCGCCCTTGGGGCCCTCCCGCCGGCCGGAGACCCAA
 GCCCCAAACGCCAGGCCCTGCCCTGGAAGCGCTCGCGGCCCGGCCCTGGACGGGGAGT
 TGCTGCTCTTTGGCGTAAATTGCAATCGATTAGGGATCGTTTCTCAGAATCAAGTTAGAA
 GTGAGAGTTCAGATAAGTGAGGCCGCCATTGCTGCTTTGAACACCTCAGAAGGGGAGAAT
 GGATTTATCAGGAGTGAAAAAGAAGAGCTTGCTAGGAGTCAAAGAAAATAATAAAAAGTC
 CAGCACTAGGGCTCCTTACCTACCAAACGCAAAGACCGCTCAGATGAGAAGTCCAAGGA
 TCGCTCAAAGATAAAGGGGCCACCAAGGAGTCGAGTGAGAAGGATCGCGCCGGGACAA
 AACCCGAAAGAGGCGCAGCGCTTCCAGTGGTAGCAGCAGTACCAGGTCTCGGTCCAGCTC
 GACTTCCAGCTCAGGCTCCAGCACCAGCACTGGCTCAAGCAGTGGCTCCAGCTCTTCTC
 AGCATCCAGCCGCTCAGGAAGCTCCAGCACCTCCCGCAGCTCCAGCTCTAGCAGCTTTC
 TGCTCTCCAAGTCTTCTCGGCGCAGACACGACAAACAGGAGGGCTCCCGCTCCANAT
 CCAAACACCTTANAGAGATGAANAGGGAGAGGAAAGGGCGGAGCCCATCTCCTAAGCCC
 ACCAAAGTGACATTGGGAGACTCACCCGAATGTGANCAAGG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_006711 unedited
 AAAGAGTTCCGTATTGGGTTCATTTTTACAATTCTTCCACTTACACAACAAAGTACA
 AACACAATGTCATCTAAAATGCTACAAAGGTATAAACTCAAAGATAAATTTTATAGTA
 CTGACTGTACAATGAAAGCAAAAAAGAAAAAATAAAAGCAATGTACATGTTGCCAAGA
 TAACCTAGAAAGACCACCATGAACGGCAGGCACAACCATGGCTGCGTGATGACCCCGCAG
 AGCTGGCTCTCAACTCACTCGCCAATTTAGAGTACAGTGGTGGGTGCGGTGTGTGCAT
 CGGTGCACGGACAGACAGAACCACGAGCAGCAACTACCATGGGTGAGAGGATCTTTGAGG
 GGGTGTGACCTTTGAGGTGAGAAGAGGCCTCGAGAGGCCAGGCCTAACAGGGTTGGCAGC
 TGCACTAAAGCCTGGGGCAGCTCCCTTTCCAAAAGGACTGCCAGCAACAGCAAGGGC
 ACGGCCTGGCCACCATCCCAGGTGATCGGGGAAGGAAAAGTGTGCTCCCAGGTAAGCAG
 GGTCAAACCACCCCAAGAGCCTCACTTTCCCTGGTGGCTCTGCCACTGAACTGACTCT
 TAGAAAACCGAAACGGATGAGCTTTCTAGCCAGAAAACCGGAGGGAATCTTGACAGGCAC
 ACAGCATCCAAACCAACAGCACTTCTGCAGCCGNGCCCGGCTGGCAGAGGGGTGCTGCC
 TGCTGCCTGCAAAATCCTGCCAGAGTCAAGGGTTTGTCTTCTACTGGTCTTCTTTGGCT
 AGAAAAGTGACAAAACCTGAGCTGGGTGGGTATAAAGTACAGGGCGGAGACTTCAAGTGG
 CCTGTTTATCGGGAGGAGTTGGNAGCTGNAGCGCTCCTGTGGCCGNGCAGCCCCGGGAC
 CGTGA

Restriction Sites:

NotI-NotI

ACCN:

NM_006711

Insert Size:

2150 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: [NM_006711.2](#), [NP_006702.1](#)

RefSeq Size: 2038 bp

RefSeq ORF: 918 bp

Locus ID: 10921

UniProt ID: [Q15287](#)

Cytogenetics: 16p13.3

Domains: RRM

Protein Families: Transcription Factors

Gene Summary: This gene encodes a protein that is part of a post-splicing multiprotein complex involved in both mRNA nuclear export and mRNA surveillance. mRNA surveillance detects exported mRNAs with truncated open reading frames and initiates nonsense-mediated mRNA decay (NMD). When translation ends upstream from the last exon-exon junction, this triggers NMD to degrade mRNAs containing premature stop codons. This protein binds to the mRNA and remains bound after nuclear export, acting as a nucleocytoplasmic shuttling protein. This protein contains many serine residues. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2013]
Transcript Variant: This variant (1) differs in the 5' UTR compared to variant (2). Variants 1, 2, and 3 all encode the same isoform (a).