

Product datasheet for SC335232

RNPS1 (NM_001286625) Human Untagged Clone

Product data:

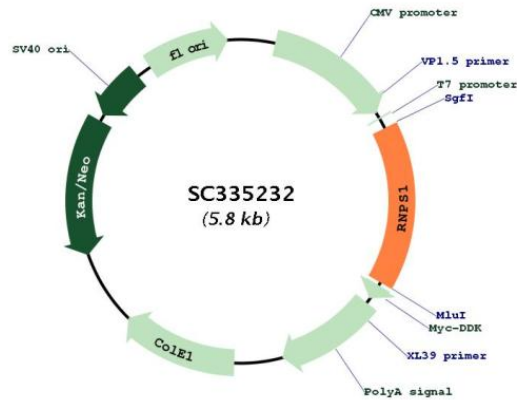
Product Type:	Expression Plasmids
Product Name:	RNPS1 (NM_001286625) Human Untagged Clone
Tag:	Tag Free
Symbol:	RNPS1
Synonyms:	E5.1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335232 representing NM_001286625. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC CGCATCGCC
ATGGATTATCAGGAGTAAAAAGAAGAGCTTGCTAGGAGTCAAAGAAAATAATAAAAAGTCCAGCACT
AGGGCTCCTTACCTACCAAACGCAAAGACCGCTCAGATGAGAAGTCCAAGGATCGCTCAAAGATAAA
GGGGCCACCAAGGAGTCGAGTGAGAAGGATCGCGGCCGGGACAAAACCCGAAAGAGGCGCAGCGCTTCC
AGTGGTAGCAGCAGTACCAGGTCTCGGTCCAGCTCGACTTCCAGCTCAGGCTCCAGCACCAGCACTGGC
TCAAGCAGTGGCTCCAGCTTCTCCTCAGCATCCAGCCGCTCAGGAAGCTCCAGCACCTCCCGCAGCTCC
AGCTCTAGCAGCTCTTCTGGCTCTCCAAGTCTTCTCGGCGCAGACACGACAACAGGAGGCGCTCCCGC
TCCAAATCCAAACCACCTAAAAGAGATGAAAAGGAGAGGAAAAGGCGGAGCCATCTCCTAAGCCCACC
AAAGTGACATTGGGAGACTCACCCGGAATGTGACAAAAGGATCACATCATGGAGATATTTTCCACCTAT
GGGAAATTAATGATTGACATGCCCGTGAAAGGATGCATCCCATCTGTCCAAGGCTATGCGTAC
GTAGAGTTTGAGAATCCAGATGAAGCCGAGAAGGCGCTGAAGCACATGGATGGAGGACAAATTGATGGC
CAGGAGATCACTGCCACCGCGTGTGGCCCCGGCCTAGGCCACCCCCAGGAGATTCAGCCCTCCC
AGGAGAATGTTGCCACCACCGCCTATGTGGCGCAGGTCTCCCCACGGATGAGGAGAAGTCCCCTCC
CCGAGGCGCAGGTCCCCGTGCCCGGAGATCACGGTCCCCGGGCGCCGCCACAGGAGCCGCTCC
AGCTCCAACCTCCCGATAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_001286625

Insert Size: 918 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_001286625.1](#)

RefSeq Size: 2056 bp

RefSeq ORF: 918 bp

Locus ID: 10921

UniProt ID: [Q15287](#)

Cytogenetics: 16p13.3

Protein Families: Transcription Factors

MW: 34.2 kDa

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 (3) differs in the 5' UTR compared to variant (2). Variants 1, 2, and 3 all encode the same isoform (a).