

## Product datasheet for **RC215882**

### **RNPS1 (NM\_080594) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	RNPS1 (NM_080594) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RNPS1
Synonyms:	E5.1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC215882 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGATTTATCAGGAGTGAAGAAAGAAGAGCTTGCTAGGAGTCAAAGAAAATAATAAAAAGTCCAGCACTA  
GGGCTCCTTACCTACCAAACGCAAAGACCGCTCAGATGAGAAGTCAAGGATCGCTCAAAGATAAAGG  
GGCCACCAAGGAGTCGAGTGAGAAGGATCGCGGCCGGACAAAACCCGAAAGAGGCGCAGCGCTCCAGT  
GGTAGCAGCAGTACCAGGTCTCGGTCCAGCTCGACTTCCAGCTCAGGCTCCAGCACCCAGCACTGGCTCAA  
GCAGTGGCTCCAGCTCTCCTCAGCATCCAGCCGCTCAGGAAGTCCAGCACCTCCGCAGCTCCAGCTC  
TAGCAGCTCTTCTGGCTCTCCAAGTCTTCTCGGCGCAGACACGACAACAGGAGGCGCTCCCGCTCCAAA  
TCCAAACCACCTAAAAGAGATGAAAAGGAGAGGAAAAGGCGGAGCCCATCTCCTAAGCCACCAAAGTGC  
ACATTGGGAGACTCACCCGGAATGTGACAAAGGATCACATCATGGAGATATTTTCCACCTATGGGAAAAT  
TAAATGATTGACATGCCCGTGAAAGGATGCATCCCCATCTGTCCAAAGGCTATGCGTACGTAGAGTTT  
GAGAATCCAGATGAAGCCGAGAAGGCGCTGAAGCATGGATGGAGGACAAATTGATGGCCAGGAGATCA  
CTGCCACCGCGTGTGGCCCCCTGGCTAGGCCACCCCCAGGAGATTCAGCCCTCCAGGAGAATGTT  
GCCACCACCGCTATGTGGCGCAGGTCTCCCCACGGATGAGGAGAAGGTCCCGCTCCCCGAGGCGCAGG  
TCCCCGTGCGCCGGAGATCACGGTCCCCGGGCCGCCGCCACAGGAGCCGCTCCAGCTCCAACCTCT  
CCCGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

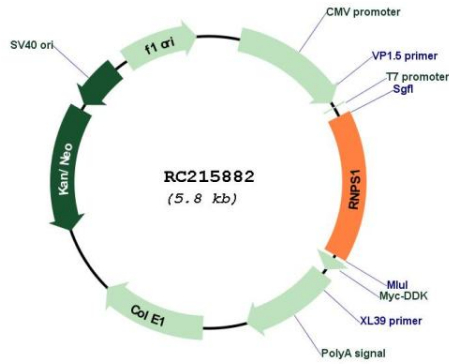


[View online »](#)

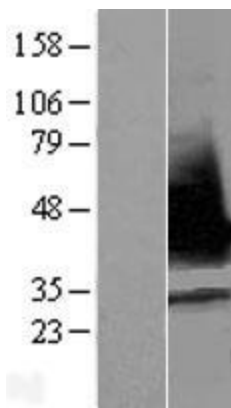


<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_080594.4</a>
<b>RefSeq Size:</b>	2251 bp
<b>RefSeq ORF:</b>	918 bp
<b>Locus ID:</b>	10921
<b>UniProt ID:</b>	<a href="#">Q15287</a>
<b>Cytogenetics:</b>	16p13.3
<b>Domains:</b>	RRM
<b>Protein Families:</b>	Transcription Factors
<b>MW:</b>	34.2 kDa
<b>Gene Summary:</b>	<p>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]</p>

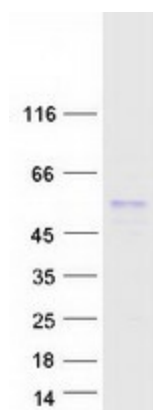
Product images:



Circular map for RC215882



Western blot validation of overexpression lysate (Cat# [LY409141]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC215882 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified RNPS1 protein (Cat# [TP315882]). The protein was produced from HEK293T cells transfected with RNPS1 cDNA clone (Cat# RC215882) using MegaTran 2.0 (Cat# [TT210002]).