

# Recombinant Human RNPS1 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** RNPS1-1105H    **Lot. No.** (See product label)

## SPECIFICATION

### Product Overview

RNPS1 MS Standard C13 and N15-labeled recombinant protein (NP\_006702) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

### Species

Human

### Source

HEK293

### Description

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.

### Molecular Mass

34 kDa

### AA Sequence

MDLSGVKKKSLGKVENNKKSTRAPSPTKRKDRSDEKSKDRSKDKGATKESSEKD  
RGRDKTRKRRSASSGSSSTRSRSSSTSSSGSSTSTGSSSSGSSSSSASSRSGSSST  
SRSSSSSSSSGSPSPSRRRHDNRRRSRSKSKPPKRDEKERKRRSPSPKPTKVHIG  
RLTRNVTKDHIMEIFSTYGKIKMIDMPVERMHPHLSKGYAYVEFENPDEAEKALKHM

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DGGQIDGQEITATAVLAPWPRPPRRFSPRRMLPPPPMWRRSPPRMRRRSRSPR  
RRSPVRRRSRSPGRRRHRSRSSSNSSRTRTRPLEQKLISEEDLAANDILDYKDDDD  
KV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** RNPS1 RNA binding protein with serine rich domain 1 [ Homo sapiens (human) ]

**Official Symbol** RNPS1

**Synonyms** RNPS1; RNA binding protein S1, serine-rich domain; RNA binding protein S1, serine rich domain; RNA-binding protein with serine-rich domain 1; SR protein; SR-related protein LDC2; RNA-binding protein S1, serine-rich domain; E5.1; MGC117332;

**Gene ID** 10921

**mRNA Refseq** NM\_006711

**Protein Refseq** NP\_006702

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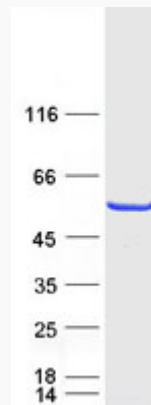
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**MIM** 606447

**UniProt ID** Q15287

**SDS-PAGE**



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