

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	MDLSGVKKKSLGKVENNKKSSSTRAPSPTKRKDRSDEKSKDRSKDKGATKESSEKD RGRDKTRKRRSASSGSSSTRSRSSSTSSSGSSTSTGSSSGSSSSSASSRSGSSST SRSSSSSSSSGSPSPSRRRHDNRRRSRSKSKPPKRDEKERKRRSPSPKPTKVHIG RLTRNVTKDHIMEIFSTYGKIKMIDMPVERMHPHLSKGYAYVEFENPDEAEKALKHM

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DGGQIDGQEITATAVLAPWPRPPRRFSPRRMLPPPPMWRRSPPRMRRRSRSPR
RRSPVRRRSRSPGRRRHRSRSSSNSSRTTRTRPLEQKLISEEDLAANDILDYKDDDD
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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MIM	606447
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UniProt ID	Q15287
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