

Product datasheet for PH315882

RNPS1 (NM_080594) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	RNPS1 MS Standard C13 and N15-labeled recombinant protein (NP_542161)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC215882
Predicted MW:	34.2 kDa
Protein Sequence:	>RC215882 protein sequence Red=Cloning site Green=Tags(s) MDLSGVKKKSLLGVKENNKSSSTRAPSPTKRKDRSDEKSKDRSKDKGATKESSEKDRGRDKTRKRRSASS GSSSTRSRSSSTSSSGSSTSTGSSSGSSSSASSRSGSSSTRSSSSSSSGSPSPRRRHDRRRRSRK SKPPKRDEKERRRSPSPKPTKVHIGRLTRNVTKDHIMEIFSTYGKIKMIDMPVERMHPHLSKGYAYVEF ENPDEAEKALKHMDGGQIDGQEITATAVLAPWPRPPRRFSPRRMLPPPMWRRSPPMRRRRSRSPRRR SPVRRRSRSPGRRRRRSRSSNSR TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_542161
RefSeq Size:	2251
RefSeq ORF:	915
Synonyms:	E5.1
Locus ID:	10921



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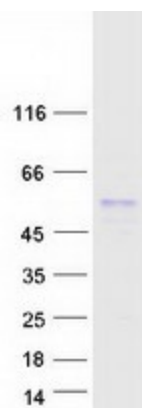
UniProt ID: [Q15287](#), [D3DU92](#)

Cytogenetics: 16p13.3

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]

Protein Families: Transcription Factors

Product images:



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]).