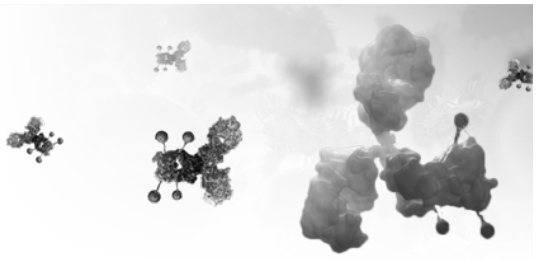

Human RNPS1 peptide (DAG-P1116)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen 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. [provided by RefSeq, Nov 2013]
Specificity	Ubiquitous.
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the splicing factor SR family.Contains 1 RRM (RNA recognition motif) domain.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	RNPS1 RNA binding protein S1, serine-rich domain [Homo sapiens (human)]
Official Symbol	RNPS1
Synonyms	RNPS1; RNA binding protein S1, serine-rich domain; E5.1; RNA-binding protein with serine-rich

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	domain 1; SR protein; SR-related protein LDC2; RNA-binding protein S1, serine-rich domain;
Entrez Gene ID	10921
mRNA Refseq	NM_001286625.1
Protein Refseq	NP_001273554.1
UniProt ID	D3DU92
Chromosome Location	16p13.3
Pathway	Cleavage of Growing Transcript in the Termination Region, organism-specific biosystem; Exon junction complex (EJC), organism-specific biosystem; Exon junction complex (EJC), conserved biosystem; Gene Expression, organism-specific biosystem; Nonsense Mediated Decay Enhanced by the Exon Junction Complex, organism-specific biosystem; Nonsense-Mediated Decay, organism-specific biosystem; Processing of Capped Intron-Containing Pre-mRNA, organism-specific biosystem; RNA Polymerase II Transcription, or
Function	NOT RNA binding; mRNA 3-UTR binding; nucleotide binding; poly(A) RNA binding; protein binding;

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