

Product datasheet for PH301713

SNRP70 (SNRNP70) (NM_003089) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	SNRNP70 MS Standard C13 and N15-labeled recombinant protein (NP_003080)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201713
Predicted MW:	51.6 kDa
Protein Sequence:	>RC201713 protein sequence Red=Cloning site Green=Tags(s)

MTQFLPPNLLALFAPRPDIPLYLPPEKLPHEKHHNQPYCGIAPYIREFEDPRDAPPTRAETREERMERK
RREKIERRQEQEVETELKMWDPHNDPNAQGDFAKTLFVARVNYDTTESKLRREFEVYGPRIKRIHMYVSKRS
GKPRGYAFIEYEHERDMHSAYKHADGKKIDGRRVLDVVERGRTVKGWRPRRLGGGLGTRRGGADVNIH
SGRDDTSRYDERPGPSPLPHRDRDRDRERERRERSRERDKERERRRSRSDRRRRSRSDKEERRRSRER
SKDKDRDRKRSSRSRERARRERERKEELRGGGGDMAEPSEAGDAPPDDGPPGELGPDGPDGPEEKGRDR
DRERRRSHRSERERRRDRDRDRDRDREHKRGERGSEGRDEARGGGGQDNGLEGLGNDSRDMYMESEGG
DGYLAPENGYLMEAAPE

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:	<u>NP_003080</u>
RefSeq Size:	2008
RefSeq ORF:	1311
Synonyms:	RNPU1Z; RPU1; Snp1; SNRP70; U1-70K; U1AP; U1RNP; U170K



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Locus ID: 6625

UniProt ID: [P08621](#), [A0A024QZD5](#)

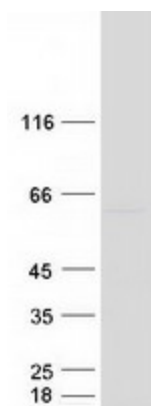
Cytogenetics: 19q13.33

Summary: Component of the spliceosomal U1 snRNP, which is essential for recognition of the pre-mRNA 5' splice-site and the subsequent assembly of the spliceosome (PubMed:19325628, PubMed:25555158). SNRNP70 binds to the loop I region of U1-snRNA (PubMed:2467746, PubMed:19325628, PubMed:25555158).[UniProtKB/Swiss-Prot Function]

Protein Families: Druggable Genome

Protein Pathways: Spliceosome

Product images:



Coomassie blue staining of purified SNRNP70 protein (Cat# [TP301713]). The protein was produced from HEK293T cells transfected with SNRNP70 cDNA clone (Cat# [RC201713]) using MegaTran 2.0 (Cat# [TT210002]).