

Product datasheet for PH300416

SNRPF (NM_003095) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	SNRPF MS Standard C13 and N15-labeled recombinant protein (NP_003086)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200416
Predicted MW:	9.7 kDa
Protein Sequence:	>RC200416 protein sequence Red=Cloning site Green=Tags(s) MSLPLNPKPFLNGLTGKPVVMVKLKWGMEYKGYLVSDGYMNMQLANTEEYIDGALSGHLGEVLI RCNNVL YIRGVEEEEEDGEMRE 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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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_003086
RefSeq Size:	806
RefSeq ORF:	258
Synonyms:	Sm-F; SMF; snRNP-F
Locus ID:	6636
UniProt ID:	P62306
Cytogenetics:	12q23.1



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Summary:

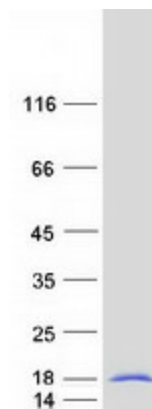
Plays role in pre-mRNA splicing as core component of the SMN-Sm complex that mediates spliceosomal snRNP assembly and as component of the spliceosomal U1, U2, U4 and U5 small nuclear ribonucleoproteins (snRNPs), the building blocks of the spliceosome (PubMed:11991638, PubMed:18984161, PubMed:19325628, PubMed:23333303, PubMed:25555158, PubMed:26912367, PubMed:28502770, PubMed:28781166, PubMed:28076346). Component of both the pre-catalytic spliceosome B complex and activated spliceosome C complexes (PubMed:11991638, PubMed:28502770, PubMed:28781166, PubMed:28076346). Is also a component of the minor U12 spliceosome (PubMed:15146077). As part of the U7 snRNP it is involved in histone 3'-end processing (PubMed:12975319).[UniProtKB/Swiss-Prot Function]

Protein Families:

Stem cell - Pluripotency

Protein Pathways:

Spliceosome

Product images:

Coomassie blue staining of purified SNRPF protein (Cat# [TP300416]). The protein was produced from HEK293T cells transfected with SNRPF cDNA clone (Cat# [RC200416]) using MegaTran 2.0 (Cat# [TT210002]).