

Product datasheet for PH309149

Unrip (STRAP) (NM_007178) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	STRAP MS Standard C13 and N15-labeled recombinant protein (NP_009109)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC209149
Predicted MW:	38.4 kDa
Protein Sequence:	>RC209149 protein sequence Red=Cloning site Green=Tags(s)

MAMRQTPLTCSGHTRPVVDLAFSGITPYGYFLISACKDGKPMRQGDWIGTFLGHKGAVWGATLNKD
ATKAATAAADFTAKVWDAVSGDELMTLAHKHIVKTVDFEQDSNYLLTGGQDKLLRIYDLNKPEAEPKEIS
GHTSGIKKALWCSEDKQILSADDKTVRLWDHATMTEVKSLNFMNSVSSMEYIPEGEILVITYGRSIAFHS
AVSLDPIKSFEAPATINSASLHPEKEFLVAGGEDFKLYKYDYNNGEELESYKGFHPIHCVRFPSDGELY
ASGSEDGTLRLWQTVVGKTYGLWKCVLPEEDSGELAKPKIGFPETEEEELEEIASENSDCIFPSAPDVKA

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_009109</u>
RefSeq Size:	1924
RefSeq ORF:	1050
Synonyms:	MAWD; PT-WD; UNRIP
Locus ID:	11171



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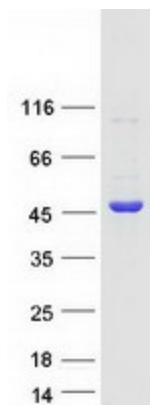
UniProt ID: [Q9Y3F4](#)

Cytogenetics: 12p12.3

Summary: The SMN complex plays a catalyst role in the assembly of small nuclear ribonucleoproteins (snRNPs), the building blocks of the spliceosome. Thereby, plays an important role in the splicing of cellular pre-mRNAs. Most spliceosomal snRNPs contain a common set of Sm proteins SNRPB, SNRPD1, SNRPD2, SNRPD3, SNRPE, SNRPF and SNRPG that assemble in a heptameric protein ring on the Sm site of the small nuclear RNA to form the core snRNP. In the cytosol, the Sm proteins SNRPD1, SNRPD2, SNRPE, SNRPF and SNRPG are trapped in an inactive 6S pICln-Sm complex by the chaperone CLNS1A that controls the assembly of the core snRNP. Dissociation by the SMN complex of CLNS1A from the trapped Sm proteins and their transfer to an SMN-Sm complex triggers the assembly of core snRNPs and their transport to the nucleus. STRAP plays a role in the cellular distribution of the SMN complex. Negatively regulates TGF-beta signaling but positively regulates the PDPK1 kinase activity by enhancing its autophosphorylation and by significantly reducing the association of PDPK1 with 14-3-3 protein.[UniProtKB/Swiss-Prot Function]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified STRAP protein (Cat# [TP309149]). The protein was produced from HEK293T cells transfected with STRAP cDNA clone (Cat# [RC209149]) using MegaTran 2.0 (Cat# [TT210002]).