

Product datasheet for TP309149

Unrip (STRAP) (NM_007178) Human Recombinant Protein

Product data:

| | |
|---------------------------------------|---|
| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human serine/threonine kinase receptor associated protein (STRAP), 20 µg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC209149 protein sequence Red=Cloning site Green=Tags(s) |

MAMRQTPLTCSGHTRPVVDLAFSGITPYGYFLISACKDGKPMRLRQGDTGDWIGTFLGHKGAVWGATLNKD
ATKAATAAADFTAKVWDAVSGDELMTLAHKHIVKTVDFQDSNYLLTGGQDKLLRIYDLNKPEAEPKEIS
GHTSGIKKALWCSEDKQILSADDKTVRLWDHATMTEVKSLNFMMSVSSMEYIPEGEILVITYGRSIAFHS
AVSLDPIKSFEAPATINSASLHPEKEFLVAGGEDFKLYKYDYNSEEELESYKGFHFGPIHCVRFPDGEELY
ASGSEDGTLRLWQTVVGKTYGLWKCVLPEEDSGELAKPKIGFPETTEEELEEIASENSDCIFPSAPDVKA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

| | |
|----------------|--|
| Tag: | C-Myc/DDK |
| Predicted MW: | 38.3 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |
| Preparation: | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps. |
| Note: | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| Storage: | Store at -80°C. |
| Stability: | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| RefSeq: | <u>NP_009109</u> |
| Locus ID: | 11171 |



[View online »](#)

UniProt ID: [Q9Y3F4](#)

RefSeq Size: 1924

Cytogenetics: 12p12.3

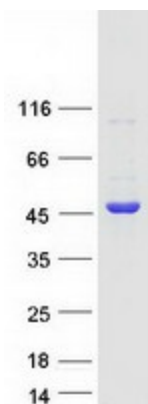
RefSeq ORF: 1050

Synonyms: MAWD; PT-WD; UNRIP

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]).