

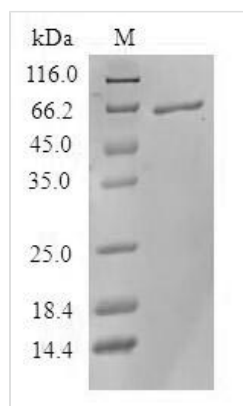


Recombinant Human Serine-threonine kinase receptor-associated protein (STRAP)

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| Product Code | CSB-EP896713HU |
| Relevance | 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. |
| Abbreviation | STRAP |
| Storage | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. |
| Uniprot No. | Q9Y3F4 |
| Alias | MAP activator with WD repeats UNR-interacting protein WD-40 repeat protein PT-WD |
| Product Type | Recombinant Protein |
| Immunogen Species | Homo sapiens (Human) |
| Purity | Greater than 90% as determined by SDS-PAGE. |
| Sequence | MAMRQTPLTCSGHTRPVVDLAFSGITPYGYFLISACKDGKPMRLRQGDTGDWI GTFLGHKGAVWGATLNKDATKAATAAADFTAKVWDVAVSGDELMTLAHKHIVK TVDFTQDSNYLLTGGQDKLLRIYDLNKPEAEPKEISGHTSGIKKALWCSEDKQI LSADDKTVRLWDHATMTEVKSLNFMNSVSSMEYIPEGEILVITYGRSIAFHSAV SLDPIKSFEAPATINSASLHPEKEFLVAGGEDFKLYKYDYNSGEELESYKGHFG PIHCVRFPSPDGELYASGSEDGTLRLWQTVVGKTYGLWKCVLPEDSGELAKP KIGFPETTEEELEEIASENSDCIFPSAPDVKA |
| Lead Time | Delivery time may differ from different purchasing way or location, please kindly consult your local distributors for specific delivery time. |
| Research Area | others |
| Source | E.coli |



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| Gene Names | STRAP |
| Protein Names | Recommended name: Serine-threonine kinase receptor-associated protein Alternative name(s): MAP activator with WD repeats UNR-interacting protein WD-40 repeat protein PT-WD |
| Expression Region | 1-350aa |
| Notes | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |
| Tag Info | N-terminal GST-tagged |
| Mol. Weight | 65.4kDa |
| Protein Description | Full Length |

Image


(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.