

Datasheet for ABIN7555968
USPL1 Protein (AA 1-1092) (His tag)



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Overview

Quantity:	1 mg
Target:	USPL1
Protein Characteristics:	AA 1-1092
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This USPL1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant USPL1 Protein expressed in mammalian cells.
Sequence:	MMDSPKIGNG LPVIGPGTDI GISSLHMVG Y LGKNFDSA KV PSDEYCPACR EKGK LKALKT YRISFQESIF LCEDLQCIYP LGSKSLNNLI SPDLEECHTP HKPQKRKSLE SSKYKDSLLLA NSKKTRNYIA IDGGKVLNSK HNGEVYDETS SNLPDSSGQQ NPVRTADSLE RNEILEADTV DMATTKDPAT VDVS GTGRPS PQNEGCTSKL EMPLESKCTS FPQALCVQWK NAYALCWLDC ILSALVHSEE LKNTVTGLCS KEESIFWRL T KYNQANTLL YTSQ LSGVKD GDCKKLTSEI FAEIETCLNE VRDEIFISLQ PQLRCTLGDM ESPVFAFPLL LKLETHIEKL FLYSFSWDFE CSQCGHQYQN RHMKSLVTFT NVIPEWHPLN AAHFGPCNNC NSKSQIRKMV LEKVSPIFML HFVEGLPQND LQHYAFHFEG CLYQITSVIQ YRANNHFITW ILDADGSWLE CDDLKGPCSE RHKKFEVPAS EIHWIWERK ISQVTDKEAA CLPLKKTNDQ HALSNEKPV S LTSCSVGDAA SAETASVTHP KDISVAPRTL SQDTAVTHGD HLLSGPKGLV DNILPL TLEE TIQKTASVSQ LNSEAF LLEN KPVAENTGIL KTN TLLSQES LMASSVSAPC NEKLIQDQFV DISFPSQVVN TNMQSVQLNT EDTVNTKSVN NTDATGLIQG VKSVEIEKDA QLKQFLTPKT EQLKPERVTS

Product Details

QVSNLKKKET TADSQTTTTSK SLQNQSLKEN QKKPFVGSWV KGLISRGASF MPLCVSAHNR
NTITDLQPSV KGVNNFGGFK TKGINQKASH VSKKARKSAS KPPPISKPPA GPPSSNGTAA
HPHAHAASEV LEKSGSTSCG AQLNHSSYGN GISSANHEDL VEGQIHKLRL KLRKKLKAEK
KKLAALMSSP QSRTVRSENL EQVPQDGSPN DCESIEDLLN ELPYPIDIAS ESACTTVPGV
SLYSSQTHEE ILAELLSPTP VSTELSENGE GDFRYLGMGD SHIPPPVPSE FNDVSQNTHL
RQDHNYSPT KKNPCEVQPD SLTNNACVRT LNLESPMKTD IFDEFFSSSA LNALANDTLD
LPHFDEYLFE NY **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Characteristics: Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: USPL1

Alternative Name: USPL1 ([USPL1 Products](#))

Background: SUMO-specific isopeptidase USPL1 (EC 3.4.22.-) (Ubiquitin-specific peptidase-like protein 1) (USP-like 1),FUNCTION: SUMO-specific isopeptidase involved in protein desumoylation.

Target Details

Specifically binds SUMO proteins with a higher affinity for SUMO2 and SUMO3 which it cleaves more efficiently. Also able to process full-length SUMO proteins to their mature forms (PubMed:22878415). Plays a key role in RNA polymerase-II-mediated snRNA transcription in the Cajal bodies (PubMed:24413172). Is a component of complexes that can bind to U snRNA genes (PubMed:24413172). {ECO:0000269|PubMed:22878415, ECO:0000269|PubMed:24413172}.

Molecular Weight: 120.4 kDa

UniProt: [Q5W0Q7](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months