

## Product datasheet for **MC223525**

### Uspl1 (NM\_001115149) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Uspl1 (NM\_001115149) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Uspl1  
**Synonyms:** E430026A01Rik  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC223525 representing NM\_001115149  
**Red**=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGACGGATGATTCTCTGAAGATTGAAATGGTTGCCACTGGTTGGACCAGGGACTGATGTAGGGATAT  
CTTCACTCCCCATGCTGGGTACTTGGGAAAAATATGCTTCAGCTAAAGTCACAACAGACGGCATTG  
CCCTGCTGTAGAGCGAAAGGCAAGCTAAGTGCCTTAAAACCTTACCGCATTAGCTTCCAAGAATCTGTC  
TTTCTGTGTGAGGATCTTCAGTGCATTTATCCTTTGGGCTCTGAGTCACTTACTAATTTAATTTCTCCTG  
ATTCAGAAGATTGCCCCTCAAGTAAGCCTCAAAAACGAAAAAGATTGGAAACCAACTGTAGGAATTC  
ACCTCTCCAGTACATTCTAAAAGACTAGAAGTCACATTGCTCACTGATAGTGAACCAATTGTGAATGGT  
AAATATAATGGAGAAGTGTGTGACTTCTCAGCAAGCTTCCCAGATACCAGTGCTCACCAGGATCCTG  
CCAGCACAGCTGCTTCTGTGGAGCAGAGTGAGGCTTTGGAGGCTGATGATGTGGTTGTGGCCGCTACAGA  
AGATCCTGCTACAGTTAGTGTACATCTGAGCTGGAAATGCCAGCTAAGAGCAGATGTTTACCACCTTGC  
CAGACTCTGTGTCCAGTGAAAAACACCCAGGCCCTGTCTGGTTAGACTGTATCCTGTCAGCCCTGG  
TGCACTTGGAGGTGTTGAGGAAGACTGTCTGGAGGCTGCTCCAGGGAGGAGTGTGATTTGGAAGCTG  
GTTTGAATGTACCACCAAGCAGATGAGCTGCTGCACACCCATCACCTGCATGGCGTCACAGGTGAAGAT  
TGTA AAAAATGACATCAGAAATATTTACAGAAATAGATACCTGTTTGAATAAAGTTAGAGATGAAATTT  
TTGCTAAACTTCAACCGAAGCTTAGATGCACATTAGGTGACATGGAAAGTCTGTGTTTGCACCTTCTGT  
ACTGTTAAAGCTTGAACCCCATGTTGAAAGCCTTTTACATATTCTTTTCTTGGAAATTTGAATGTTCC  
CATTGTGGACACCAGTACCAAAACAGGTGTGTGAAGAGTCTGGTACCTTTACCAATATTGTTCTGAGT  
GGCATCCACTCAATGCTGCCATTTTGGTCCATGTAACAGCTGCAACAGTAAATCACAAATAAGAAAAAT  
GGTGTGGAAAGAGCGTCGCCATACTCATGCTGCACTTCGTGGAGGGCTTACCAAGGAGGGATTGCAA  
CACTATGCCTTCCACTTTGAAGGAAGCCTTTATCAAGTACGTCGGTAATACAGTACCAAGCAAATAACC  
ATTTTATAACATGGTTTTAGATGCTGATGGGAGTTGGCTGGAGTGTGATGACCTAAAGGTCCTGTC  
TAAAAGGCACGTGACCTGTGAAGTGCCAGCTTACAGAGACATATCGTTATTTGGGAAAGAAAAATCCAG  
GTGCCAATTGAAGAAGCTGCCTGCCTTCCATGCATGAAGCCAAATGTGCAGCCTGTATCAGGTGAGGAGC



[View online »](#)

```

AGCCGACTTGCCAGCACTGTGTTCTCTGGCTGGGACCGCCACCTCAGAACCCTCAGTCGCCCATCCCAC
ATCTATGGCAGGCGCTCCTCAGACTCTTCCAGAAATCCAAGCTGTAGCTCATGGAGATAGTGTACTTTCA
GGAGCAAAGGCATGGTCGACAGCATTTTACCCTCAGCACTTGAAGAAACCATCCAGGAAACTGCCTCTG
TTTCTCAGGTTGACTCCAAGATTGCTGTTGGAAGACAAACCCGTGGCAGGAAGTCAGCACTGGTCAG
AGTACTTGCTTTTCAGCCACAGGACTCCCCGGGTCTTCGGGGTCTTCTTAGTGTCCAGCCTGTGTGAA
GGAAAGCTAGTTGCCCATGTGTGGATTCAAGTTTCCCATCCCAAGCTGTGAGCACAGACTGCAGGCAG
TACTGTCCCAGGCAGGGACACTGTGGTTCCTAACCTGTGACTGATGCCCTGTTCCTGTCTTGTTC
GGAATTGAAGTCCCTGGCAACTGAGAAGGACTCTCAGACACAGTTGCTGCCACTGAAAACCTGAGAAGTTA
GATCCTGAGCAACCTGGTAAATCTCAGGCATCTAATTTGAGAAAACGAGAAAACCACAGCGTCTTCTAAAA
CAGTAGACGCCAGGTGAGCACAGAATCAGCCTCGGAAAGAAGATCAGAAGAGAGCCTTCGTGGGAAGTTG
GGTGAAGGGGCTATTGAGCAGGGGTGGTCTTTTATGCCAACCTGTGTTTGTCTCAGAGTAGAGCAGTA
AGTGACCTGCAACCTTCTGTTAAAGGAGCCAGTAATTTTATGATGGCTTTAAAACGAAAAGTATAAGCCGCA
GGTCTAAAAGAATGTCCAGGAAAGCTAAGCACATGGAGGAAGTCTCCAAGGAACAGCTCTCCACCATT
GAGCTGGACAGCTGCTCTGACCCAGGCTGCTGAGAACGCCACCTCAGCTCTGTTGAGGGAGCAGGAAGGC
TCAGTCCAGCTCCCCTCAGGCACAGATCTCCTGGCAATGAAAGCGCCATCTCTCCAGCAAGCCGTGGAG
ATGCGGCTGAAGATCAGGTTTATAAGCTTCGGCTCAAACCTCTTAAAAAATTAAAGGCAAAAAAGAGAA
ACTAGCTGCCCTCATTTCTTCCCGCACCGTGAACCATCTCTAAGTGACCACTCAGAGCCTGCGTCCCAT
TGTGGAACACCTGCAAGTGACCACTGAGCAGCTGTATCCATTGTGGATCTCAAATGACTGTGAGTCCA
TAGAAGATCTGTTAAAAGAGCTACAGCATCAAATTGACCTTGACAGACAGCAAATCTGGGTGCACCTCTGC
TCCTGATGCCACCTCAAATAACAGCCAGAGTCATGAGGAGATTTTAGCAGAGTTGCTGTCGCTACAGCC
ATGTCAGAGCCCTCAGAAAGTGGGGAGCTTGGTGGAGTACTGGAAATGGGGGACAGCACCCACAGCAC
AAGCACCTAGTGAATTCAGTGTGCTCCAGAACACATGTCTGAAACAGGACCATGATTACTGCAGCCC
TGAGAAAAGCCAGCGGGAAGTTGATCTGCATTCAGTCATGGACAGTGCCTGTATAAAGAACCTTGAACCTG
GGAGTCCCATGAAGACTGATATCTTTGATGATTTTTTTTCCACCTCAGCACTGAATTTCTTAACAAACG
ACACATTAGACATACCTCATTTTGTGACTCTCTGTTTGAAGATTGCTGA

```

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

SgfI-MluI

**ACCN:**

NM\_001115149

**Insert Size:**

3270 bp

**OTI Disclaimer:**

Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**Components:**

The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_001115149.1](#), [NP\\_001108621.1](#)

**RefSeq Size:** 3772 bp

**RefSeq ORF:** 3270 bp

**Locus ID:** 231915

**UniProt ID:** [Q3ULM6](#)

**Cytogenetics:** 5 G3

**Gene Summary:** SUMO-specific isopeptidase involved in protein desumoylation. 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 (By similarity). Plays a key role in RNA polymerase-II-mediated snRNA transcription in the Cajal bodies (By similarity). Is a component of complexes that can bind to U snRNA genes (By similarity).[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 both encode the same isoform (A).