

Product datasheet for **MC223524**

Uspl1 (NM_001115153) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Uspl1 (NM_001115153) 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: >MC223524 representing NM_001115153
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGACGGATGATTCTCTGAAGATTGAAATGGTTGCCACTGGTTGGACCAGGGACTGATGTAGGGATAT
 CTTCACTCCCCATGCTGGGTACTTGGGAAAAATATGCTTCAGCTAAAGTCACAACAGACGGCATTG
 CCCTGCTGTAGAGCGAAAGCAAGCTAAGTGCCTTAAAACCTTACCGCATTAGCTTCCAAGAATCTGTC
 TTTCTGTGTGAGGATCTTCAGTGCATTTATCCTTTGGGCTCTGAGTCACTTACTAATTTAATTTCTCCTG
 ATTCAGAAGATTGTCCCACTCCAAGTAAGCCTCAAAAACGAAAAAGATTGGAAACCAACTGTAGGAATTC
 ACCTCTCCAGTACATTCTAAAAGACTAGAAGTCACATTGCTCACTGATAGTGAACCAATTGTGAATGGT
 AAATATAATGGAGAAGTGTGTGACTTCTCAGCAAGCTTCCAGATACCAGTGCTCACCAGGATCCTG
 CCAGCACAGCTGCTTCTGTGGAGCAGAGTGAGGCTTTGGAGGCTGATGATGTGGTTGTGGCCGCTACAGA
 AGATCCTGCTACAGTTAGTGTACATCTGAGCTGGAAATGCCAGCTAAGAGCAGATGTTTACCACCTTGC
 CAGACTCTGTGTCCAGTGAAAAACACCCAGGCCCTGTCTGGTTAGACTGTATCCTGTCAGCCCTGG
 TGCACTTGGAGGTGTTGAGGAAGACTGTCTGGAGGCTGCTCCAGGGAGGAGTGTGATTTGGAAGCTG
 GTTTGAAATGTACCACCAAGCAGATGAGCTGCTGCACACCCATCACCTGCATGGCGTCACAGGTGAAGAT
 TGTAAAAAATTGACATCAGAAATATTTACAGAAATAGATACCTGTTTGAATAAAGTTAGAGATGAAATTT
 TTGCTAAACTTCAACCGAAGCTTAGATGCACATTAGGTGACATGGAAAGTCTGTGTTTGCACCTTCTGT
 ACTGTTAAAGCTTGAACCCCATGTTGAAAGCCTTTTACATATTCTTTTCTTGGAAATTTGAATGTTCC
 CATTGTGGACACCAGTACAAAACAGGTGTGTGAAGAGTCTGGTCACTTTACCAATATTGTTCTGAGT
 GGCATCCACTCAATGCTGCCATTTTGGTCCATGTAACAGCTGCAACAGTAAATCACAAATAAGAAAAAT
 GGTGTTGAAAGAGCGTCGCCATACTCATGCTGCACTTCGTGGAGGGCTTACCAAGGAGGGATTGCAA
 CACTATGCCTTCCACTTTGAAGGAAGCCTTTATCAAGTACGTCGGTAATACAGTACCAAGCAAATAACC
 ATTTTATAACATGGTTTTAGATGCTGATGGGAGTTGGCTGGAGTGTGATGACCTAAAGGTCCTGTC
 TAAAAGGCACGTGACCTGTGAAGTGCCAGCTTACAGACACATATCGTTATTTGGGAAAGAAAAATCCAG
 GTGCCAATTGAAGAAGCTGCCTGCCTTCCATGCATGAAGCCAAATGTGCAGCCTGTATCAGGTGAGGAGC



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AGCCGACTTGCCAGCACTGTGTTCTCTGGCTGGGACCGCCACCTCAGAACCCTCAGTCGCCCATCCCAC
ATCTATGGCAGGCGCTCCTCAGACTCTTCCAGAAATCCAAGCTGTAGCTCATGGAGATAGTGTACTTTCA
GGAGCAAAGGCATGGTCGACAGCATTTTACCCTCAGCACTTGAAGAAACCATCCAGGAAACTGCCTCTG
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AGTACTTGCTTTTCAGCCACAGGACTCCCCGGGTCTTCGGGGTCTTCTTAGTGTCCAGCCTGTGTGAA
GGAAAGCTAGTTGCCCATGTGTGGATTCAAGTTTCCATCCCAAGCTGTGAGCACAGACCTGCAGGCAG
TACTGTCCCAGGCAGGGACACTGTGGTTCCTAACCCCTGTGACTGATGCCCTGTTCCTGTTCCTGTTCA
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GATCCTGAGCAACCTGGTAAATCTCAGGCATCTAATTTGAGAAAACGAGAAACCACAGCGTCTTCTAAAA
CAGTAGACGCCAGGTGAGCACAGAATCAGCCTCGGAAAGAAGATCAGAAGAGAGCCTTCGTGGGAAGTTG
GGTGAAGGGGCTATTGAGCAGGGGTGGTCTTTTATGCCAACCTGTGTTTGTCTCAGAGTAGAGCAGTA
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GGTCTAAAAGAATGTCCAGGAAAGCTAAGCACATGGAGGAAGTCTCCAAGGAACAGCTCTCCACCATT
GAGCTGGACAGCTGCTCTGACCCAGGCTGCTGAGAAGCCACCTCAGCTCTGTTGAGGGAGCAGGAAGGC
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ATGCGGCTGAAGATCAGGTTTATAAGCTTCGGCTCAAACCTCTTAAAAAATTAAAGGCAAAAAAGAGAA
ACTAGCTGCCCTCATTTCTCCCGCACCGTGAACCATCTCTAAGTGACCACTCAGAGCCTGCGTCCCAT
TGTGGAACACCTGCAAGTGACCACTGAGCAGCCTGTATCCATTGTGGATCTCAAATGACTGTGAGTCCA
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TCCTGATGCCACCTCAAATAACAGCCAGAGTCATGAGGAGATTTTAGCAGAGTTGCTGTCGCTACAGCC
ATGTCAGAGCCCTCAGAAAGTGGGGAGCTTGAAGTGGAGTACTTGGAAATGGGGGACAGCACCCACAGCAC
AAGCACCTAGTGAATTCAGTGTGTCTCCAGAACACATGTCTGAAACAGGACCATGATTACTGCAGCCC
TGAGAAAGGCCAGCGGGAAGTTGATCTGCATTGATGATGATGATGATGATGATGATGATGATGATGATG
GGGAGTCCCATGAAGACTGATATCTTTGATGATTTTTTTTTCCACCTCAGCACTGAATTTCTTAACAAACG
ACACATTAGACATACCTCATTTTGTGACTCTCTGTTGAGAATTGCTGA

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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:

NM_001115153

Insert Size:

3270 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_001115153.1](#), [NP_001108625.1](#)

RefSeq Size: 3949 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 (1) represents the longest transcript and encodes the longest isoform (A). Variants 1 and 2 both encode the same isoform (A).