OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MC229342

Uspl1 (NM_001286824) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Uspl1 (NM_001286824) 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:	>MC229342 representing NM_001286824 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGACGGATGATTCTCTGAAGATTGGAAATGGTTTGCCACTGGTTGGACCAGGGACTGATAATTATGCTT CAGCTAAAGTCACAACAGACGGGCATTGCCCTGCTTGTAGAGCGAAAGGCAAGCTAAGTGCCTTAAAACC TTACCGCATTAGCTTCCAAGAATCTGTCTTTCTGTGTGAGGATCTTCAGTGCATTTATCCTTTGGGCTCT GAGTCACTTACTAATTTAATTTCTCCTGATTCAGAAGATTGTCCCACTCCAAGTAAGCCTCAAAAACGAA AAAGATTGGAAACCAACTGTAGGAATTCACCTCTTCCAGTACATTCTAAAAAGACTAGAAGTCACATTGT CACTGATAGTGAACCAATTGTGAATGGTAAATATAATGGAGAAGTGTGTGATGACTTCTCAGCAAGCTTC CCAGATACCAGTGCTCACCAGGATCCTGCCAGCACAGCTGCTTCTGTGGAGCAGAGTGAGGCTTTGGAGG CTGATGATGTGGTTGTGGCCGCTACAGAAGATCCTGCTACAGTTAGTGTCACATCTGAGCTGGAAATGCC AGCTAAGAGCAGATGTTTACCACTTTGCCAGACTCTGTGTGTCCAGTGGAAAAACACCCAGGCCCTGTGC TGGTTAGACTGTATCCTGTCAGCCCTGGTGCACTTGGAGGTGTTGAGGAAGACTGTGCTGGAGGCGTGCT CCAGGGAGGAGTGTGTATTTGGAAGGCTGTTTGAAATGTACCACCAAGCAGATGAGCTGCTGCACACCCA TCACCTGCATGGCGTCACAGGTGAAGATTGTAAAAAATTGACATCAGAAATATTTACAGAAATAGATACC TGTTTGAATAAAGTTAGAGATGAAATTTTTGCTAAACTTCAACCGAAGCTTAGATGCACATTAGGTGACA TGGAAAGTCCTGTGTTTGCACTTCCTGTACTGTTAAAGCTTGAACCCCATGTTGAAAGCCTCTTTACATA TTCTTTTTCTTGGAATTTTGAATGTTCCCATTGTGGACACCAGTACCAAAACAGGTGTGTGAAGAGTCTG GTCACCTTTACCAATATTGTTCCTGAGTGGCATCCACTCAATGCTGCCCATTTTGGTCCATGTAACAGCT GCAACAGTAAATCACAAATAAGAAAAATGGTGTTGGAAAGAGCGTCGCCCATACTCATGCTGCACTTCGT GGAGGGCTTACCAAGGAGGGATTTGCAACACTATGCCTTCCACTTTGAAGGAAGCCTTTATCAAGTCACG TCGGTAATACAGTACCAAGCAAATAACCATTTTATAACATGGTTTTTAGATGCTGATGGGAGTTGGCTGG AGTGTGATGACCTAAAGGGTCCCTGTGCTAAAAGGCACGTGACCTGTGAAGTGCCAGCTTCAGAGACACA TATCGTTATTTGGGAAAGAAAATCCCAGGTGCCAATTGAAGAAGCTGCCTGCCTTCCATGCATGAAGCCA AATGTGCAGCCTGTATCAGGTGAGGAGCAGCCGACTTGTCCAGCACTGTGTTCTCTGGCTGGGACCGCCA

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CCTCAGAACCCTCAGTCGCCCATCCCACATCTATGGCAGGCGCTCCTCAGACTCTTCCAGAAATCCAAGC
TGTAGCTCATGGAGATAGTGTACTTTCAGGAGCAAAAGGCATGGTCGACAGCATTTTACCCTCAGCACTT
GAAGAAACCATCCAGGAAACTGCCTCTGTTTCTCAGGTTGACTCCAAAGATTGCCTGTTGGAAGACAAAC
CCGTGGCAGGAAGTGCAGCACTGGTCAGAGTACTTGCTTTTCAGCCACAGGACTCCCCGGGGTCTTCGGG
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CAAGCTGTGAGCACAGACCTGCAGGCAGTACTGTCCCAGGCAGGGGACACTGTGGTTCCTAACCCTGTGA
CTGATGCCCCTGTTCCTGTTCTTGTTCAGGAATTGAAGTCCCTGGCAACTGAGAAGGACTCTCAGACACA
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CTCAGCTCTGTTGAGGGAGCAGGAAGGCTCACGTCCAGCTCCCCTCAGGCACAGATCTCCTGGCAATGAA
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TGTGGATCTCCAAATGACTGTGAGTCCATAGAAGATCTGTTAAAAGAGCTACAGCATCAAATTGACCTTG
CAGACAGCAAATCTGGGTGCACCTCTGCTCCTGATGCCACCTCAAATAACAGCCAGAGTCATGAGGAGAT
TTTAGCAGAGTTGCTGTCGCCTACAGCCATGTCAGAGCCCTCAGAAAGTGGGGAGCTTGAGTTGAGGTAC
TTGGAAATGGGGGACAGCACCCCAGCACAAGCACCTAGTGAATTCAGTGTTGTCTCCCAGAACACATGTC
TGAAACAGGACCATGATTACTGCAGCCCTGAGAAAGGCCAGCGGGAAGTTGATCTGCATTCAGTCATGGA
CAGTGCCTGTATAAGAACCTTGAACTTGGGGAGTCCCATGAAGACTGATATCTTTGATGATTTTTTTTCC
ACCTCAGCACTGAATTCTTTAACAAACGACACATTAGACATACCTCATTTTGATGACTCTCTGTTTGAGA
ATTGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001286824

Insert Size: 3228 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).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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_001286824.1, NP_001273753.1
RefSeq Size:	3730 bp
RefSeq ORF:	3228 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 (6) uses an alternate in-frame splice site in the 5' coding region, compared to variant 1. It encodes isoform E, which is shorter than isoform A.