

Product datasheet for **MC222444**

Uspl1 (NM_001115150) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Uspl1 (NM_001115150) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Uspl1
Synonyms:	E430026A01Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC222444 representing NM_001115150
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCCAGCTAAGAGCAGATGTTTACCACCTTTGCCAGACTCTGTGTGCCAGTGGAAAAACCCAGGCC
 TGTGCTGGTTAGACTGTATCCTGTCAGCCCTGGTGCACCTGGAGGTGTTGAGGAAGACTGTGCTGGAGGC
 GTGCTCCAGGGAGGAGTGTGATTTGGAAGGCTGTTTGAATGTACCACCAAGCAGATGAGCTGCTGCAC
 ACCCATCACCTGCATGGCGTCACAGGTGAAGATTGAAAAAATTGACATCAGAAATATTTACAGAAATAG
 ATACCTGTTTGAATAAAGTTAGAGATGAAATTTTGTAACTTCAACCGAAGCTTAGATGCACATTAGG
 TGACATGGAAAGTCTGTGTTTGCACCTCCTGTACTGTTAAAGCTTGAACCCATGTTGAAAGCCTCTTT
 ACATATCTTTTTCTTGGAAATTTGAATGTTCCATTGTGGACACCAGTACCAAAACAGGTGTGTGAAGA
 GTCTGGTCACCTTACCAATATTGTTCCGTGAGTGGCATCCACTCAATGCTGCCATTTTGGTCCATGTAA
 CAGCTGCAACAGTAAATCACAAATAAGAAAAATGGTGTGGAAAGAGCGTCGCCATACTCATGCTGCAC
 TTCGTGGAGGGCTTACCAAGGAGGGATTGCAACACTATGCCTTCCACTTTGAAGGAAGCCTTTATCAAG
 TCACGTCCGTAATACAGTACCAAGCAAATAACCATTTTATAACATGGTTTTTAGATGCTGATGGGAGTTG
 GCTGGAGTGTGATGACCTAAAGGGTCCCTGTGCTAAAAGGCACGTGACCTGTGAAGTGCCAGCTTCAGAG
 ACACATATCGTTATTTGGGAAAGAAAAATCCAGGTGCCAATTGAAGAAGCTGCCTGCCTTCCATGCATGA
 AGCCAAATGTGCAGCCTGTATCAGGTGAGGAGCAGCCGACTTGTCCAGCACTGTGTTCTCTGGCTGGGAC
 CGCCACCTCAGAACCTCAGTCGCCATCCACATCTATGGCAGGCGCTCCTCAGACTCTCCAGAAATC
 CAAGCTGTAGCTCATGGAGATAGTGTACTTTCAGGAGCAAAGGCATGGTCGACAGCATTTTACCCTCAG
 CACTTGAAGAAACCATCCAGGAACTGCCTCTGTTTCTCAGTTGACTCCAAAGATTGCCTGTTGGAAGA
 CAAACCCGTGGCAGGAAGTGCAGCACTGGTCAGAGTACTTGTCTTTTCAGCCACAGGACTCCCCGGGTCT
 TCGGGGTCTTCTTAGTGTCCAGCCTGTGTGAAGGAAAGCTAGTTGCCCATGTGTGGATTCAAGTTTCC
 CATCCCAAGCTGTGAGCACAGACCTGCAGGCAGTACTGTCCAGGCAGGGGACACTGTGGTTCCTAACCC
 TGTGACTGATGCCCTGTTCTGTTCTTGTTCAGGAATTGAAGTCCCTGGCAACTGAGAAGGACTCTCAG
 ACACAGTTGCTGCCACTGAAAACGAGAAGTTAGATCCTGAGCAACCTGGTAAATCTCAGGCATCTAATT
 TGAGAAAACGAGAAACCACAGCCTTCTAAAACAGTAGCAGCCAGGTGACGACAGAATCAGCCTCGGAA
 AGAAGATCAGAAGAGAGCCTTCGTGGGAAGTTGGGTGAAGGGGCTATTGAGCAGGGGTGGTCTTTTATG
 CCAACCTGTGTTTGTCTCAGAGTAGAGCAGTAAGTGACCTGCAACCTTCTGTTAAAGGAGCCAGTAATT
 TTGATGGCTTTAAAACGAAAAGTATAAGCCGAGGTCTAAAAGAATGTCCAGGAAAGCTAAGCACATGGA
 GAACTGTCTCCAAGGAACAGCTCTCCACCATTGAGCTGGACAGCTGCTCTGACCCAGGCTGCTGAGAAC
 GCCACCTCAGCTCTGTTGAGGGAGCAGGAAGGCTCACGTCCAGCTCCCCTCAGGCACAGATCTCCTGGCA
 ATGAAAGCGCCATCTCTCCAGCAAGCCGTGGAGATGCGGCTGAAGATCAGGTTTATAAGCTTCGGCTCAA
 ACTTCTTAAAAAATTAAGGCAAAAAAGAAAGAACTAGCTGCCCTCATTCTTCCCCGCACCGTGAACCA
 TCTCTAAGTGACCACTCAGAGCCTGCGTCCCATTGTGGAACACCTGCAAGTGACCACTCAGAGCCTGTAT
 CCCATTGTGGATCTCAAATGACTGTGAGTCCATAGAAGATCTGTTAAAAGAGCTACAGCATCAAATTGA
 CCTTGACAGACGAAATCTGGGTGCACCTGCTCCTGATGCCACCTCAAATAACAGCCAGAGTCATGAG
 GAGATTTTAGCAGAGTTGCTGTGCCTACAGCCATGTGAGAGCCCTCAGAAAGTGGGAGCTTGAGTTGA
 GGTACTTGAAATGGGGGACAGCACCCAGCACACCTAGTGAATCAGTGTGCTCCCAGAACAC
 ATGTCTGAAACAGGACCATGATTACTGCAGCCCTGAGAAAGGCCAGCGGGAAGTTGATCTGCATTGAGTC
 ATGGACAGTGCCTGTATAAGAACCTTGAACCTGGGGAGTCCCATGAAGACTGATATCTTTGATGATTTTT
 TTTCCACCTCAGCACTGAATCTTTAACAAACGACACATTAGACATACCTATTTTATGACTCTCTGTT
 TGAGAATTGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001115150

Insert Size:	2673 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:	<ol style="list-style-type: none">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:	<u>NM_001115150.1</u> , <u>NP_001108622.1</u>
RefSeq Size:	3603 bp
RefSeq ORF:	2673 bp
Locus ID:	231915
UniProt ID:	<u>Q3ULM6</u>
Cytogenetics:	5 G3
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR and the 5' coding region and initiates translation at a downstream start codon, compared to variant 1. Variants 3, 7, and 8 all encode the same isoform (B) which is shorter at the N-terminus, compared to isoform A.</p>