

## Product datasheet for **MC217361**

### Uspl1 (NM\_001013378) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Uspl1 (NM_001013378) 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:** >MC217361 representing NM\_001013378  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGACGGATGATTCTCTGAAGATTGGAATGGTTTGGCACTGGTTGGACCAGGGACTGATGTAGGGATAT  
 CTTCACTCCCATGCTGGGGTACTTGGGAAAAAATTATGCTTCAGCTAAAGTCACAACAGACGGGCATTG  
 CCCTGCTGTAGAGCGAAAGCAAGCTAAGTGCCTTAAAACCTTACCGCATTAGCTTCCAAGAATCTGTC  
 TTTCTGTGTGAGGATCTTCAGTGCATTTATCCTTTGGGCTCTGAGTCACTTACTAATTTAATTTCTCCTG  
 ATTCAGAAGATTGCTCCACTCCAAGTAAGCCTCAAAAACGAAAAAGATTGGAAACCAACTGTAGGAATTC  
 ACCTCTTCCAGTACATTCAAAAAGACTAGAAGTCACATTGTCACTGATAGTGAACCAATTGTGAATGGT  
 AAATAAATGGAGAAGTGTGTGACTTCTCAGCAAGCTTCCAGATACCAGTGTCCAGGATCCTG  
 CCAGCACAGCTGCTTCTGTGGAGCAGAGTGGGCTTTGGAGGCTGATGATGTGGTTGTGGCCGCTACAGA  
 AGATCCTGCTACAGTTAGTGTACATCTGAGCTGGAAATGCCAGCTAAGAGCAGATGTTTACCACCTTGC  
 CAGACTCTGTGTGCCAGTGGAAAAACCCAGGCCCTGTGCTGGTTAGACTGTATCCTGTCCAGCCCTGG  
 TGCACTTGGAGGTGTTGAGGAAGACTGTGCTGGAGGCGTCTCCAGGGAGGAGTGTGATTTGGAAGGCT  
 GTTTGAAATGTACCACCAAGCAGATGAGCTGTGCACACCCATCACCTGCATGGCGTCACAGGTGAAGAT  
 TGTAATAAATGACATCAGAAATATTTACAGAAATAGATACCTGTTTGAATAAAGTTAGAGATGAAATTT  
 TTGCTAAACTTCAACCGAAGCTTAGATGCACATTAGGTGACATGGAAAGTCCCTGTGTTTGCACCTTCTGT  
 ACTGTTAAAGCTTGAACCCCATGTTGAAAGCCTTTTACATATTTCTTTTCTTGGAAATTTGAATGTTCC  
 CATTGTGGACACCAGTACCAAAACAGGTGTGTGAAGAGTCTGGTACCTTTACCAATATTGTTCTCTGAGT  
 GGCATCCACTCAATGCTGCCATTTTGGTCCATGTAACAGCTGCAACAGTAAATCAGAAATGAGAAAAAT  
 GGTGTTGGAAAGAGCGTCGCCATACTCATGCTGCACTTCGTGGAGGGCTTACCAAGGAGGATTTGCAA  
 CACTATGCCTTCCACTTTGAAGGAAGCCTTTATCAAGTCACGTCGGTAATACAGTACCAAGCAAATAACC  
 ATTTTATAACATGGTTTTTAGATGCTGATGGGAGTTGGCTGGAGTGTGATGACCTAAAGGGTCCCTGTGC  
 TAAAAGGCACGTGACCTGTGAAGTGCCAGCTTCCAGAGACACATATCGTTATTTGGGAAAGAAAAATCCAG  
 GTGCCAATTGAAGAAGCTGCCTGCCTTCCATGCATGAAGCCAAATGTGCAGCCTGTATCAGGAATTGAAG  
 TCCCTGGCAAC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_001013378

**Insert Size:** 1554 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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001013378.2, NP_001013396.2</u>
<b>RefSeq Size:</b>	3272 bp
<b>RefSeq ORF:</b>	1554 bp
<b>Locus ID:</b>	231915
<b>UniProt ID:</b>	<u>Q3ULM6</u>
<b>Cytogenetics:</b>	5 G3
<b>Gene Summary:</b>	<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 (4) differs in the 5' UTR and contains alternate splice sites in the 3' coding region, resulting in a frameshift and an early stop codon, compared to variant 1. It encodes isoform C, which is shorter and has a distinct C-terminus, compared to isoform A. Variants 4 and 9 both encode the same isoform (C).</p>