

## Product datasheet for **MC220766**

### **Usp4 (BC011341) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Usp4 (BC011341) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Usp4
Synonyms:	F730026I20Rik; mKIAA4155; Unp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC011341  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCGGAAGGCCGGGGAGCCGTGAGCGACCGGATGTGGAGACCCAGAAGACGGAGCTCGGAGCCTTGA  
 TGGGGACCACGCTCCAAGTGGGGCGCAGTGGTATCTTATTGACAGCCGGTGGTTCAAGCAGTGGAAAGAA  
 GTATGTGGGCTTTGACAGCTGGGACATGTACAATGTCGGGGAGCATAACCTGTTTCTGGACCGATTGAC  
 AACTCCGGACTCTTCTCAGATCCTGAGAGTCAGACCTGAAGGAGCACTTAATCGATGAGCTGGACTATG  
 TGCTGGTCCCAGCCGAAGCCTGGAATAAATTGCTGAATTGGTATGGCTGTGTGGAGGGTCAGCAGCCTAT  
 TGTGAGAAAAGTTGTGGAGCATGGCCTGTTTGTCAAGCACTGCAAAGTGGAAAGTGTATTTGCTGGAGCTG  
 AAGCTCTGTGAGAACAGTGACCCACCAATGTGCTAAGTTGCCATTTTAGCAAAGCAGACACCATTGCAA  
 CTATTGAGAAGGAGATGAGGAAGCTCTTCAACATCCCTGCAGAACGTGAAACACGGCTTTGGAACAATA  
 CATGAGCAACACCTATGAGCAGTTGAGCAAGCTAGACAACACTATCCAGGATGCTGGGCTGTACCAGGGT  
 CAGGTGCTAGTAATTGAGCCCCAAAATGAAGATGGCACATGGCCCCGGCAGAGCCTGCAGTCAAATGGAT  
 CTGGCTTCTCTGCTTCGTATAATTGCCAGGAGCCCCCATCACCTCATATACAGCCTGGCCTCTGTGGACT  
 TGGAAACCTGGGGAACACCTGCTTCATGAACTCTGCTCTGCGAGTCCCTGAGCAACACTGCCCCACTGACT  
 GAGTACTTTCTCAAAGATGAGTATGAGGCCGAGATCAACCGAGACAACCCCTCTGGGGATGAAAGGGGAGA  
 TTGCAGAGGCCTATGCAGAGCTCATCAAGCAGATGTGGTCTGGAAGGGACTCATGTGGCACCACGGAT  
 GTTCAAGACGCAAGTGGGACGTTTTGCCCTCAGTTTTCTGGCTACCAACAGCAAGACTCCCAGGAGCTG  
 CTAGCCTTTATTCTAGACGGACTGCACGAGGACCTGAACCGCGTAAAGAAGAAGCCTTACCTGGAGCCCA  
 AGGACCCAATGGGCGACCAAGTGCAGTGGTGTAGCAAAGGAAGCCTGGGAAAACCAAGGCTGACGAATGA  
 TTCTGTGATTGTGGATACTTTCCATGGCCTTTTCAAATCGACTTTGGTTTGGCCAGAATGTGCTAAAGTT  
 TCTGTGACCTTTGACCCATTTGCTATCTAACTCTCCACTGCCTTTGAAGAAGGATCGGATTATGGAGG  
 TCTTCTGGTTCCTGCTGACCCTCAGTGCAGACCTATCCAGTACCGTGTGACTGTGCCATTGATGGGGGC  
 CATTCTGACCTGTGTGAAGCACTCTCCAAGCTGTCTGGCATTGCTGCAGAAAATATGGTGGTCACTGAT  
 GTATATAATCACCGCTTCCACAAAATTTTCAAATGGATGAAGGTTTAAAGCCACATCACGCCCTCGAGATG  
 ACATTTTTGTGTATGAGGTCTGCAACATGTCCATGGATGGCTCAGAGTGTATCACTCTTCCAGTCTACTT  
 CAGAGAGAAGAAGTCCAGGCCATCGAGTCTTCTCGGGGCTGTGCTCTATGGACAGCCCTTCTTGTCT  
 TCTGTCCCTAAGCATAAGCTAACCTTGTAGTCTTTGTACCAGGCTGTTTGTGATCGTATCAGCCGCTACA  
 TAAAACAGCCTTTGCCTGATGAGTTTCTCAGCTCACCTTAGAGCCTGGGGCCTGCAATGGCTCTAGGAG  
 TAGCTATGAAGGAGATGAAGAGGAAGAAATGGATCATCAAGAGGAAGGAAAAGAGCAGCTTTCGGAAGT  
 GAAGGCAGTGGTGAAGCAGATCAGGGAGATGACCATAGCGAGAGCGCCAAAAGGTGAAAGGCCAGCCGA  
 GGCACAAGAGGCTCTTTACCTTCAGCCTCGTGAACCTCCTGTGAACTGCTGATATCAATTCAGTGGCAAC  
 TGACGGGAAACTCCTCAAACCTCAACTCTCGATCCACACTGGCCATTGACTGGGACAGTGAAGCCGAAGC  
 CTTTACTTTGATGAGCAAGAATCTGAGGCCTGTGAGAAGCACCTGAGCATGTCACAGCCGAGAAGAAGA  
 AGAAGGCGGCGGTAGCCCTGCGAGAGTGCATCGAGCTTTCACCACCATGGAGACCCTTGGGAGCATGA  
 CCCCTGGTACTGTCCCACCTGTAAGAAGCACCAGCAGGCAACAAGAAGTTTACTTGTGGTCTTTGCC  
 AAGATCCTGGTGGTTACCTCAAGCGTTTTCTCTATAACAGATACTGGCGGGATAAACTTGACACCGTCTG  
 TGGAGTTCCAGTCAGAGCTCTGAACATGTCCGAGTTTGTCTGTGACCGTCTCAGCAAGGCCTTATGTTTA  
 TGACCTAATTGCTGTGTCCAATCACTATGGAGCCATGGGGTTGGTCACTACACTGCATATGCGAAGAAC  
 AGACTGAACGGGAAATGGTATTACTTTGATGATAGCAGTGTGTCCTGGCCTCTGAGGACCAGATAGTGA  
 CGAAAGCCGCTACGTGTTGTTCTATCAGCGTGGGATGACGAATGCTCCAGCACATCTTCGCTCGGCAG  
 TTTCCCGGTTCTGATGGAGGGTGAAGCTGAGCAGCTCACACCAGGGCATGGGGATGAGGAGGCTTAC  
 AACATGGACACCAACTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

<b>ACCN:</b>	BC011341
<b>Insert Size:</b>	2748 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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><a href="#">BC011341</a></u> , <u><a href="#">AAH11341</a></u>
<b>RefSeq Size:</b>	3455 bp
<b>RefSeq ORF:</b>	2747 bp
<b>Locus ID:</b>	22258
<b>Cytogenetics:</b>	9 59.25 cM
<b>Gene Summary:</b>	Deubiquitinating enzyme that removes conjugated ubiquitin from target proteins. Deubiquitinates PDPK1. Deubiquitinates TRIM21. Deubiquitinates receptor ADORA2A which increases the amount of functional receptor at the cell surface. May regulate mRNA splicing through deubiquitination of the U4 spliceosomal protein PRPF3. This may prevent its recognition by the U5 component PRPF8 thereby destabilizing interactions within the U4/U6.U5 snRNP. May also play a role in the regulation of quality control in the ER. [UniProtKB/Swiss-Prot Function]