

## Product datasheet for **MC222871**

### **Usp4 (NM\_011678) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Usp4 (NM_011678) 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)



[View online »](#)

Fully Sequenced ORF:

>MC222871 representing NM\_011678  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCGGAAGGCCGGGGCAGCCGTGAGCGACCCGGATGTGGAGACCCAGAAGACGGAGCTCGGAGCCTTGA  
 TGGGGACCACGCTCCAAGTGGGGCGCAGTGGTATCTTATTGACAGCCGGTGGTTCAAGCAGTGGAAAGAA  
 GTATGTGGGCTTTGACAGCTGGGACATGTACAATGTCGGGGAGCATAACCTGTTTCTGGACCTATTGAC  
 AACTCCGGACTCTTCTCAGATCCTGAGAGTCAGACCTGAAGGAGCACTTAATCGATGAGCTGGACTATG  
 TGCTGGTCCCAGCCGAAGCCTGGAATAAATTGCTGAATTGGTATGGCTGTGTGGAGGGCCAGCAGCCTAT  
 TGTCAAGAAAAGTTGTGGAGCATGGCCTGTTTGTCAAGCACTGCAAAGTGGAAAGTGTATTTGCTGGAGCTG  
 AAGCTCTGTGAGAACAGTGACCCACCAATGTGCTAAGTTGCCATTTTAGCAAAGCAGACACCATTGCAA  
 CTATTGAGAAGGAGATGAGGAAGCTCTTCAACATCCCTGCAGAACGTGAAACACGGCTTTGGAACAATA  
 CATGAGCAACACCTATGAGCAGTTGAGCAAGCTAGACAACACTATCCAGGATGCTGGGCTGTACCAGGGT  
 CAGGTGCTAGTAATTGAGCCCCAAAATGAAGATGGCACATGGCCCCGGCAGAGCCTGCAGTCAAAAATCAA  
 GCACTGCACCTAGCAGAAATTTCACTACCTCTTCAAACCATCCGCAAGTCCCTATTGCTCAGTGTCTGC  
 CTCTCTCATTGCAAATGGTATAGCACTAACAGCTCTGGGATGCACAGCTCCGGTGTGACAGGGGTGGA  
 TCTGGCTTCTCTGCTTCTGATAATTGCCAGGAGCCCCATCACCTCATATACAGCCTGGCCTCTGTGGAC  
 TTGAAACCTGGGGAACACTTGCTTCATGAACTGCTCTGCAGTGCCTGAGCAACACTGCCCACTGAC  
 TGAGTACTTTCTCAAAGATGAGTATGAGGCCGAGATCAACCGAGACAACCTCTGGGGATGAAAGGGGAG  
 ATTGACAGGGCCTATGCAGAGCTCATCAAGCAGATGTGGTCTGGAAGGGACACTCACGTGGCACCACGGA  
 GTTTCAAGACGCAAGTGGGACGTTTTGCCCTCAGTTTTCTGGCTACCAACAGCAAGACTCCCAGGAGCT  
 GCTAGCCTTTATTCTAGACGGACTGCACGAGGACCTGAACCGCGTAAAGAAGAAGCCTTACTGGAGCCCC  
 AAGGACGCCAATGGGCGACCAGATGCGGTGGTAGCAAAGGAAGCCTGGGAAAACACAGGCTGAGGAATG  
 ATTCTGTGATTGTGGATACTTTCCATGGCCTTTTCAAATCGACTTTGGTTTGGCCAGAATGTGCTAAAGT  
 TTCTGTGACCTTTGACCCATTTTGTATCTAACTCTCCACTGCCTTTGAAGAAGGATCGGATTATGGAG  
 GTCTTCTGGTCTCTGCTGACCCCTCAGTGCAGACCTATCCAGTACCGTGTGACTGTGCCATTGATGGGG  
 CCATTTCTGACCTGTGTGAAGCACTCTCCAAGCTGTCTGGCATTGCTGCAGAAAAATGGTGGTCACTGA  
 TGTATATAATCACCGCTCCACAAAATTTTCAAATGGATGAAGTTTAAAGCCACATCACGCTCGAGAT  
 GACATTTTGTGTATGAGGTCTGCAACAGTCCATGGATGGCTCAGAGTGTATCACTCTTCCAGTCTACT  
 TCAGAGAGAAGAAGTCCAGGCCCTCGAGTGCTTCTCGGGGGCTGTGCTCTATGGACAGCCCTTCTTGT  
 CTCTGTCCCTAAGCATAAGCTAACCCCTAGAGTCTTTGTACCAGGCTGTTTGTGATCGTATCAGCCGCTAC  
 ATAAAACAGCCTTTGCTGATGAGTTTCTCAGCTCACCTTAGAGCCTGGGGCCTGCAATGGCTCTAGGA  
 GTAGCTATGAAGGAGATGAAGAGGAAGAAATGGATCATCAAGAGGAAGGAAAAGAGCAGCTTCCGAAGT  
 GGAAGGCAGTGGTGAAGCAGATCAGGGAGATGACCATAGCGAGAGCGCCAAAAGGTGAAAGGCCAGCCG  
 AGGCACAAGAGGCTCTTTACCTCAGCCTCGTGAACCTCTGTGGAACCTGCTGATATCAATCACTGGCAA  
 CTGACGGGAAACTCCTCAAACCTCAACTCTCGATCCACTGGCCATTGACTGGGACAGTGAAGCCGAAG  
 CCTTTACTTTGATGAGCAAGAATCTGAGGCCTGTGAGAAGCACCTGAGCATGTACAGCCGCAGAAAGAAG  
 AAGAAGGCGCAGTAGCCCTGCGAGAGTGCATCGAGCTTTCACCACCATGGAGACCCTTGGGGAGCATG  
 ACCCTGTTACTGTCCACCTGTAAAGAAGCACCAGGCAACAAAGAAGTTTGACTTGTGGTCTTTGCC  
 CAAGATCCTGGTGGTTCACCTCAAGCGTTTCTCTATAACAGATACTGGCGGGATAAACTTGACACCGTG  
 GTGGAGTCCCAGTCAGAGCTCTGAACATGTCCGAGTTTGTCTGTGACCGGTGAGCAAGGCCTTATGTTT  
 ATGACCTAATTGCTGTGTCATCACTATGGAGCCATGGGGTGGTCACTACACTGCATATGCCAAGAA  
 CAGACTGAACGGGAAATGGTATTACTTTGATGATAGCAGTGTGTCCTGGCCTCTGAGGACCAGATAGTG  
 ACGAAAGCCGCTACGTGTTGTTCTATCAGCGTGGGATGACGAATGCTCCAGCACATCTTCGCTCGGCA  
 GTTTCCCCGTTCTGATGGAGGGTGAAGCTGAGCAGCTCACACCAGGGCATGGGGATGAGGAGGCTTA  
 CAACATGGACACCAACTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_011678
<b>Insert Size:</b>	2889 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>	<a href="#">NM_011678.2</a> , <a href="#">NP_035808.2</a>
<b>RefSeq Size:</b>	3686 bp
<b>RefSeq ORF:</b>	2889 bp
<b>Locus ID:</b>	22258
<b>UniProt ID:</b>	<a href="#">P35123</a>
<b>Cytogenetics:</b>	9 59.25 cM
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>