

## Product datasheet for **MC222154**

### Usp5 (NM\_013700) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Usp5 (NM_013700) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Usp5
Synonyms:	AA407472; ISOT; ISOT-1; Ucht
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC222154 representing NM\_013700  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCGGAGCTGAGTGAAGAGGCGCTGCTGTCACTGTTACCGACGATCCGTGTCCCAAGCGGGAGACC  
 GGGTCCATAAAGACGAGTGCCTTTCTCTTTCGACACGCCGAGTCTGAGGGTGGCCTCTATATCTGCAT  
 GAACACATTCTGGGATTCGGAAGCAGTATGTGGAGAGACACTTCAACAAGACAGGCCAGCGTGTCTAC  
 CTGCACCTCCGGAGGACCCGGCGACCGAAAGAAGAGGACACCAGTGCAGGCACTGGAGACCCACCTCGGA  
 AGAAGCCACCCGGCTGGCCATTGGTGTGAAGGAGGGTTTGACCTCACCGAGGACAAGTTTGAATTTGA  
 CGAGGATGTGAAGATTGCATTTTCCCGATTACCTGGAGATCGCTCGGATGGTTGGGGGGCTTCTCT  
 GACATTGTCAGAGATCGGGTACCAGTGTGTGGAAGCCCTACTTCTGTGACTCAGCCTCTCGAAAGC  
 AGGAGTCCAGGCTTGGGATGGGAAGTCCGTGAGTGTCCAAGCATGCCTTCAACCTCAAGCAGTTGGA  
 CAACCCTGCTCGGATCCCTCCCTGTGGCTGGAAGTGTCCAAGTGCAGATGCGCGAGAACCTGTGGCTC  
 AACCTGACAGACGGCTCCATCCTCTGTGGACGGCGCTACTTCGATGGCAGTGGGGCAACAACCATGCTG  
 TGGAGCACTACAGGGAGACTGGCTACCCCTTAGCTGTTAAGCTGGGCACCATCACCCGGATGGAGCTGA  
 CGTGTATTCTTACGACGAGGATGACATGGTTCTGGACCCAGCCTGGCAGAGCACTTGTCTCACTTTGGC  
 ATCGACATGCTGAAGATGCAGAAGACGGACAAGACGATGACTGAGCTGGAGATAGACATGAACCAGCGGA  
 TTGGTGAATGGGAGTTGATCCAGGAGTCAAGCGTGCCTCAAGCCTCTGTTGGGCTGGTTACACGGG  
 CATCCGGAACCTGGTAAACAGCTGCTATCTCAACTCCGTGGTCCAGGTGCTTTCAGCATCCCTGACTTT  
 CAGAGGAAGTATGTGGATAAATTGGAGAAGATCTTCCAGAATGCCCAACGGACCCACCCAAGACTTCA  
 GCACCCAGGTGGCAAGCTGGGCTGGCCTTCTCTGGAGAATACTTAAGCCAGCATAAGCCAGCAGTCAAG  
 TGATGGGAGCAGGTACCAGAACAAGGAAGTTCAAGATGGCATTGCCCTCGAATGTTCAAGGCCCTC  
 ATTGGCAAGGGCCACCCTGAGTTCTCCACTAATCGGCAGCAGGATGCCAGGAATTTCTCTACATCTTA  
 TCAACATGGTGGAGAGGAATTGCCGGAGTTCTGAAAATCCAAATGAAGTGTCCGCTTTTGGTGGAAAG  
 AAAGATCAAAATGCCTGGCCACAGAGAAGGTTAAGTACACTCAGCGAGTTGACTACATCATGCAGTTGCC  
 GTACCCATGGATGCAGCCCTAACAAAGAGGAGCTTTTAGAGTATGAAGAGAAGAAGCGGCAAGCTGAAG  
 AGGAGAAAGTCCACTGCCAGAAGTGGTTCGGGCCAGGTGCCCTCAGCTCCTGCCTGGAAGCCTACGG  
 GGCCCTGAGCAGGTGGACGACTTCTGGAGTACAGCTCTACAGGCGAAGTCCGTCGCTGTCAAGACCAG  
 CGCTTTGCCCTCCTCCCGACTACCTGGTCAATCCAGATCAAGAAGTTCACCTTTGGCTTAGACTGGGTGC  
 CCAAGAAGCTGGATGTGTCCATTGAGATGCCAGAGGAGCTCGATATCTCCAGCTGAGGGGCACAGGGCT  
 ACAGCCGGGAGAGGAGGAGCTGCCTGACATTGCCCCACCCTGGTCACTCCGGATGAGCCAAAAGGTAGC  
 CTTGGTTTCTATGGCAACGAAGACGAAGACTCCTTCTGCTCCCCTCACTTCTCTCTCCGACATACCCCA  
 TGCTGGACGAATCCGTCATCATACAGTTGGTGGAAATGGGCTTCCTATGGATGCCTGCCGAAAGCTGT  
 GACTATACGGGAAACAGCGGGCCGAAGCAGCCATGAAGTGGTCAATGTACACATGGATGATCCAGAT  
 TTTGCAAAACCCCTCATCCTGCCTGGCTCCAGTGGGCTGGCTCCACAAGTGCAGCAGCTGACCCCCCG  
 CGGAGGACTGTGACCAACATAGTCTCCATGGGCTTCCAGGGACCAGGCCCTGAAAGCTCTGCGGGC  
 CACGAACAATAGCTTAGAGCGGGCTGTAGACTGGATCTTCCAGCCACATTGATGACCTGGACGAGAAGT  
 GCTATGGACATCTCAGAGGGACGCTCAGCGGCTGAGTCCATCTCCGAGTCTGTGCCAGTGGGACCTAAAG  
 TCCGGATGGTCTGAAAGTATCAGCTCTTGCCTTATTAGTACATGGGCACATCTACTATGTGTGG  
 TCACTATGTCTGCCATATCAAGAAGGAAGGAGGTGGGTGATCTACAATGACCAGAAAGTGTGTGCCTCT  
 GAAAAGCCACCCAAGGACCTGGGCTACATCTACTTCTACCAGAGAGTGGTCAAGTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_013700  
**Insert Size:** 2577 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_013700.2</a> , <a href="#">NP_038728.1</a>
<b>RefSeq Size:</b>	3233 bp
<b>RefSeq ORF:</b>	2577 bp
<b>Locus ID:</b>	22225
<b>UniProt ID:</b>	<a href="#">P56399</a>
<b>Cytogenetics:</b>	6 59.17 cM
<b>Gene Summary:</b>	<p>Cleaves linear and branched multiubiquitin polymers with a marked preference for branched polymers. Involved in unanchored 'Lys-48'-linked polyubiquitin disassembly. Binds linear and 'Lys-63'-linked polyubiquitin with a lower affinity (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>