

## Product datasheet for **MC205643**

### Usp11 (NM\_145628) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Usp11 (NM_145628) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Usp11
Synonyms:	6230415D12Rik; mKIAA4085
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC005470  
 CAGCCACCTATTGAGCGCAAGGTAATAGAACTTCTGGCATTTCGGAAGGTGGAAGTGTACCCACTAGAGC  
 TACTGCTCGTTACGACACAGTGATATGGAACAGCTCTCACCATTAGTTAGCTATACTGATTCTGTGGA  
 ACTAGTCTTGCAAACAGCTCGGGAGCAGTTTCTGGTAGAGCCTCAGGAAGACACGCGCCTCTGGACCAAG  
 AACTCAGAGGGCTCTTTGGATCGACTGTGTAATACACAGATCACGCTGCTTGATGCCTGCCTTGAGACTG  
 GGCAGTTGGTCATCATGGAGACTCGAAACAAAGATGGCACTTGGCCAGTGCTCAGCTGTGTGGCATGAA  
 CAACATACCGGACGAGGATGAGGACTTCCAGGGCAACCGGGCATCTGTGGCCTTACCAATCTGGGCAAC  
 ACATGCTTCATGAACTCGGCCCTACAGTGCCTGAGCAATGTGCCACAGCTGACAGAGTACTTTCTCAACA  
 ATCGCTACCTAGAGGAGCTCAACTTCCGGAACCTCTAGGCATGAAGGGTGAAGTGTGCTGAGGCCTATGC  
 AGATCTGGTAAAGCAGACTTGGTCTGGCTACCACCGCTCCATTGTGCCAAATGTGTTCAAGAACAAGGTT  
 GGCCATTTTGCATCCCAGTTTCTGGGCTACCAGCAGCATGACTCACAGGAACTACTGTCATTCTCCTCTGG  
 ATGGGCTACATGAGGATCTCAATCGGGTCAAAAAGAAAGAATATGTTGAGCTATGCAATGGTGTGGGCG  
 GCCTGATCTGGAAGTGGCTCAGGAAGCCTGGCAGAACCATAAACGACGAAATGATTCTGTGATCGTGGAC  
 ACTTTCCATGGCCTCTTCAAGTCCACCCTGGTGTGCCCTGATTGTGGCAATGTTTCTGTGACCTTTGACC  
 CCTTCTGTACCTCAGTGTCCCCTGCTGTCTGCTCCAGGAGGCTCTTGGAAAGTCTTCTTGTCCCAT  
 GGATCCCCGCGCAAGCCAGAACAGCACCGGGTGTAGTCCCCAAGAAGGCAATATCTCAGATCTGTGT  
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 TCTATAAGCTTTACCAGCTGGAGGATCCTCTGAGTGGCATCTTGGATCGTATGATATCTTTGTATATGA  
 GGTGACTGGTCCGATTGAGCCGTTGAGGGTTCAGAGATGATATTGGGTACCTGTTTACTTGGCGGAG  
 CGCACCCCATCCAGAGACTACAACAACCTCTACTATGGTCTGATACTTTTTGGGCACCCTCTCCTGGTGT  
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 CCGCGCATCGCAGTGGCCCCAAGGCGACGACGAAAGCAGCTGTTTACTCTGCAGACGGTGAACCTCAAT  
 GGAACAGTGACCGGACCACTTCCCCTGAAGAAATGCAAACCCAGCCATACATTGCCATGGATTGGGAAC  
 CAGATATGAAGAGGCGTTATTATGACGAAGTGGAGGCTGAGGGCTATGTGAAGCATGACTGTGTGGGCTA  
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 AAGGAGAACCCCTGGTACTGCTCCTCTGCAAGCAGCACCAGTGGCCACCAAGAAACTGGACCTCTGGA  
 TGCTACCCGAAGTCTCATTATCCACCTGAAGCGTTTTTTCATTTTCCAAAATTTCCCGGAGAAGCTGGA  
 CACCCTGGTGCAGTTTCCATACCGGACCTGGATTTCTCTGAGTTTGTGCATCAAACCAAGAAATGAGTCT  
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 ATACAACATTTGCCTGCAACAAGGACAGTGGCCAGTGGCACTACCTTGATGACAATAGTGTCTCACCTGT  
 GAATGAGAATCAGATTGAGTCCAAGGCAGCCTATGTCTTGTCTATCAGCGCCAAGATGTGGGTCGACGC  
 CAGTCCCAGACTTCTTCACTGACACTCCTGCCTCTCCTGTCTCCAGTTCTACACCAACTCTGACATCA  
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 ACCCCCTCTCTTCTGTGTTTATCGCCCCCTCTGCCCCCAGACATTGCAGGCTTAGTCTGTGGCTA  
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 CCTGTGTGCCGTACAGCAGTGACTTCTCTCCTAGTCTTATTTATGCTCCCCCTCCCTCTTTTCTCT  
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 ATACCTTCTTCTGTGTTAAGTATCCATAAAAAGCTCCAGATTTCCATGTTCAACAGTGTGGCTTTGTT  
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 TATGTAGTTGATGCTGCTGAGTGGGTTTGTGTTTTGAGACAGGATCTGTCTGTGTAGCTCTTGGGT  
 GTCCTGGAACACTGTGTGGATCAGGCTGGCCTTAACTCAGAGATTGTACCTGCTCCTAAGTGTCT  
 GGCATTAAGCATGACCACCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA AAAAAA

**Restriction Sites:** RsrII-NotI  
**ACCN:** NM\_145628  
**Insert Size:** 2100 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="#">BC005470</a> , <a href="#">AAH05470</a>
<b>RefSeq Size:</b>	3086 bp
<b>RefSeq ORF:</b>	2100 bp
<b>Locus ID:</b>	236733
<b>UniProt ID:</b>	<a href="#">Q99K46</a>
<b>Cytogenetics:</b>	X A1.3
<b>Gene Summary:</b>	<p>Protease that can remove conjugated ubiquitin from target proteins and polyubiquitin chains. Inhibits the degradation of target proteins by the proteasome. Cleaves preferentially 'Lys-6' and 'Lys-63'-linked ubiquitin chains. Has lower activity with 'Lys-11' and 'Lys-33'-linked ubiquitin chains, and extremely low activity with 'Lys-27', 'Lys-29' and 'Lys-48'-linked ubiquitin chains (in vitro). Plays a role in the regulation of pathways leading to NF-kappa-B activation. Plays a role in the regulation of DNA repair after double-stranded DNA breaks. Acts as a chromatin regulator via its association with the Polycomb group (PcG) multiprotein PRC1-like complex; may act by deubiquitinating components of the PRC1-like complex.</p> <p>[UniProtKB/Swiss-Prot Function]</p>