

Product datasheet for **MC201315**

Usp3 (NM_144937) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Usp3 (NM_144937) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Usp3
Synonyms:	AA409661; BC017156
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >BC017156 sequence for NM_144937
 CCCACGCGTCCGCAGGAGTCCGGATTTTCACGTTCTCCGGAGCGGGGCGCCGGGAGACGGCGGATGGCAA
 AACCCGGCGCCCGGAAGCCCTTGCTTTCTTTGACGCAAAGGCTCGGGACCCAGAAGCCGCGCTGCCCA
 GTGCCGGGTGAGAAGCGACCCAGACGGAGCCTCTGAAGTCCCTCCGCCCCAGAGCCTCGGCTGTCCCCG
 CCGCGTCTCGTGGCCATGGAGTGTCCGCACCTCAGCTCCAGCGTCTGCATCGCCCCGACTCAGCCAA
 GTTCCCCAACGGCTCCCCGTCGTCTGGTGTGCAGCGTGTGCAGGTCCAACAAAAGCCCTGGGTCTGT
 TTGACTTGTTCAAGTGTCCACTGTGGAAGTATGTGAATGGCCATGCAAAAAACATTATGAAGATGCAC
 AGATACCCTTACTCAACCATAAGAGATCAGAAAAGCAGGAGAAAAGCTCAGCATACAGTGTGTATGGATTG
 CAGTAGCTACAGCACATACTGTTATCGTGTGACGATTTTGTGGTCAACGACACCAAGCTGGGCCTGGTA
 CAGAAAGTGAGAGAACACTTACAGAACTTGAAAACTCAGCCTTTACAGCGGACAGGCACAGAAAAAGAA
 AATTATTGAAAACTCATCACTAAACAGCAAGTTATTAAGTAAATGGAAGTACGACTGCCATTTGTGC
 CACAGGCCTTCGAAATTTGGGCAACACTGTTTCATGAATGCTATCCTTCAGTCACTCAGTAACATTGAG
 CAGTTTTGCTGTTATTTCAAAGAACTGCCTGCTGTGGAGTTAAGGAATGGGAAAACAGCAGGAAGGCGAA
 CATACCACACCAGGAGCCAAGGGGACAGCAATGTGTCTTTAGTAGAAGAGTTTAGAAAGACTGTGTGC
 TTTATGGCAAGGCAGCCAGACTGCATTTAGTCCTGAGTCTTGTGTTTATGTTGTCTGGAAGATCATGCCT
 AACTTTAGGGGTTATCAGCAGCAGGATGCCATGAATTCATGCGTACCTTTTGGATCATCTACACTTAG
 AACTTCAGGGTGGCTTCAATGGTGTTCGCCCTCAGCAATTCTACAGGAGAATTCTACACTGTCTGCAAG
 TAACAAATGCTGCATAAATGGAGCATCAACTGTTGTACAGCAATATTTGGAGGAATTCTCCAGAACGAG
 GTCAACTGCCTCATATGTGGGACAGAGTCGAGGAAGTTTGATCCATTCTAGATCTCTCCTTAGATATTC
 CAAGTCAGTTCAGAAGCAAGCGCTCTAAGAATCAGGAAAATGGGCCAGTTTGCTCCTTAAGAGATTGCC
 TCGCAGCTTCACTGACCTAGAGGAACTTGATGAGACAGAGTTGTACATGTGCCATAAGTGCAAAAAGAAA
 CAAAAGTCCACAAAGAAGTTTTGGATTCAAAAACCTTCCCAAGGCGCTGTGCTTGCACCTGAAAAGTTTC
 ACTGGACAGCATATTTAAGAAACAAAGTCGATACATACGTTCAATTCCCCTGAGAGGCTGGACATGAA
 GTGCTACTACTAGAGCCGGAGAACAGTGGTCCAGACAGTTGCCTGTATGACCTCGCTGCTGGTTGTA
 CACCATGGCTCTGGGGTTGGTTCTGGACATTACACAGCATATGCAGTTACGAAGGCCGCTGGTTCCATT
 TCAATGACAGCACTGTGACAGTACTGATGAGGAGACCGTTGGGAAGGCAAGGCCATACATTCTGTTTTA
 TGTGGAGCGTCAGGCCAGAGCTGGAGCAGAAAACTGTAATACCTCCTGACCATGAGTCATCAACTACAC
 CGGACAACATTTCCATTTCCATAAATACTTGATCCAAGAGTCAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_144937

Insert Size: 1563 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).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
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.

RefSeq: [BC017156](#), [AAH17156](#)

RefSeq Size: 1878 bp

RefSeq ORF: 1563 bp

Locus ID: 235441

UniProt ID: [Q91W36](#)

Cytogenetics: 9 C

Gene Summary: The protein encoded by this gene is a chromatin-associated histone 2A and 2B deubiquitinating enzyme that negatively regulates the DNA damage response. Mice deficient for this enzyme have reduced hematopoietic stem cell reserves, demonstrating a requirement in hematopoietic stem cell homeostasis. In addition, knock down of protein levels results in spontaneous tumor development and shortened lifespan, consistent with a function in preserving chromosomal integrity. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Oct 2014]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).