

Product datasheet for **MC200949**

Usp21 (NM_013919) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Usp21 (NM_013919) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Usp21
Synonyms:	ESTM28; Usp16; Usp23; W53272
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC021903 sequence for NM_013919
 CCGACGCGTGGGCGGACGCGTGGGCACCAACAAAGATGGCGGCGGCCCTTGCGGCGGGAGCAAGCTGGG
 AACAGCTGCGGCTAAAGCTGCAGCCCGGCTGTGGGGAGGCTGTTTGGGGATAAGAGGGGGTGGCCCTGA
 GCTGGAGCTGGACCCCGGCTGGCCTCCCCCGCCGCTCACCGGGGACAGGTCCAGCCTGTGGTGCCAC
 AATGCCCCAGGCTTCTGAGCACCCTGGGCGGACTCGAGAGCCACCTGCAATGTACAGCCCCGAGTG
 GGAGCCAAGATACCATTTCCTCCCCGGGCACGCAGCAAGGAGCGCCGAAACCCAGTTCCTGGGCCAACT
 CCATGTTACGACCTTTCCTCCAGGCCAGTCCCCAGATGAAAGGCTCAAGAACTGGAGCTGGGTCG
 GGTTCGGACCTCAGGCTCTCGTCTAGAGGTCCCCTTCGAGCAGATCATGGGGTTCCTGCCTGGCTCA
 CCGCCCCAGCTGTGGCTCTGCCTCTCCATCCCCGACCAACTTAGCCGTTCCAAGTCTGTGAGCAGTG
 GGGACTTGCCTCAATGGGGATTGCCTTGGGAGGGCACCGTGGCGCTGGCGAGCTAGGGGCTGACTGAG
 CCGCTTGGCACTCCGGCTGAGCCACCCACTTTGAGACGTAGTACTTCTCTCCGGCTCTTGGGGCTTC
 CCTGGCCCCCTACCCTGCTCAGCATACGGACAGAGCCCCCTACTTCCATGGCTCTTCCACATGATAT
 CTGCCCGCCTTCTGAGCCTTCTACTCTGATGACAAGATGGCTCACCACACTGCTTCTGGTCTGG
 TCATGTTGGCCTCCGAAATCTAGGAAATACATGCTTCTGAATGCCGTGTACAGTGTGAGCAGCACA
 AGGCCCTTTCGAGACTTCTGTCTGCGAAGGGACTTCCGGCAAGAGGTGCCCGGAGGAGGCCGAGCCAGG
 AACTCACAGAAGCCTTTCGAGATGTGATTGGTGCCTCTGGCACCTGACTCCTGTGAAGCTGTGAATCC
 CACCCGATTCCGGGCTGTCTCCAGAAATACGTCCCTTCTTCTGTGATACAGCCAGCAGGATGCCCAA
 GAGTTCCTGAAGCTCCTCATGGAGCGGTTGCACCTTGAGATCAACCGACGAGGGCGCCGGGACCCGCAA
 TCTTGGCCAGCGGTCCAGTTCCTCTCCACCTCGCCGAGGAGGGGCTCTGCATGAAGAACCTGAGTT
 GAGTGATGACGACCGAGCCAACCTAATGTGGAAGCGCTACCTGGAGCGAGAAGACAGCAAGATTGTGGAC
 CTGTTTGTGGGCCAGTTGAAAAGTTGCCTCAAGTGCCAGGCTGTGGGTATCGCTCCACGACCTTCGAGG
 TTTTTGTGACCTGTCCCTGCCATCCCCAAGAAAGATTGCTGGGGGCAAAGTGTCTTTCGGGATTG
 CTTCAAGCTTTTACCAAGGAGGAAGAGCTAGAGTCGGAGAATGCCCAAGTGTGACCGATGTCGGCAG
 AAAACCCGAAGTACCAAAAAGTTGACAGTACAAAAGATTCCCCGAATCCTCGTGTCCATCTGAACCGAT
 TTTCCACCTCCCGAGGCTCCATCAAGAAAAGTTCAAGTAGGTGTAGACTTCCCACTGCAGAGACTAAGCCT
 AGGGGACTTTGCCAGCGACAAAGCGGGAAGCCCTGTCTACCAGCTGTATGCCCTTTCGCAACCACTCGGGT
 AGTGTCCACTATGGCCACTACACAGCCCTGTGCCGGTCCAGACTGGTTGGCATGTCTACAATGACTCCC
 GCGTTTCCCTGTGAGTAAAATCAGGTGGCATCCAGTGGGGTACGTGCTGTTCTACCAATTGATGCA
 GGAACCACTTCGGTGCCTGTGACACCATTTGAAGCCCTGGCACCTGTGAAAACCTTCCCAACACCTTA
 AGCCCCAGGCTCCCGATTACCTCACAGACGTCTATTTTGTGTCTTTTAAATCGGGGAGGGGAGGAGG
 GTTGGTTGTAGCTCCCGTATTTTTTTTATTAAGAAGTACCCTTCCGCTTGTTCCTGTCCCATGTAC
 AGAAACCACAGACCCTTGACCATGTACAGCCCCAGAACCTCTGCAATCTCACTTTTTTTGTGAATAAAT
 TTATTAAGAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_013919

Insert Size: 1701 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: [BC021903](#), [AAH21903](#)

RefSeq Size: 2199 bp

RefSeq ORF: 1701 bp

Locus ID: 30941

UniProt ID: [Q9QZL6](#)

Cytogenetics: 1 79.3 cM

Gene Summary: Deubiquitinates histone H2A, a specific tag for epigenetic transcriptional repression, thereby acting as a coactivator. Deubiquitination of histone H2A releases the repression of di- and trimethylation of histone H3 at 'Lys-4', resulting in regulation of transcriptional initiation. Regulates gene expression via histone H2A deubiquitination. Also capable of removing NEDD8 from NEDD8 conjugates but has no effect on Sentrin-1 conjugates. Deubiquitinates BAZ2A/TIP5 leading to its stabilization (By similarity).[UniProtKB/Swiss-Prot Function]