

Product datasheet for **MC228745**

Usp44 (NM_001206851) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Usp44 (NM_001206851) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Usp44
Synonyms:	E430004F17Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >MC228745 representing NM_001206851
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATAGGTGCAAGCACGTTGAGCAGTTGAGCAGTTGCTCAAGGCCATTCCATCTTGGACCCTCAGAAAT
 GGTACTGTATGGTCTGCAACACAACCGAGTCCATTTGGGCTTGCCTCAGCTGTTCCACGTCGCCTGTGG
 GAAGTACATCCAAGAGCACGCACTGAAGCACTTCAAGAAAGCAGCCATCCCGTTGCCTTCGAGGTGAAC
 GACATGTACGCTTTTTGTATCTTTGTAACGATTATGTTCTAAACGATAACGCAGCCGGAGACCTGAAGT
 CACTACGGAGTACACTAAGTACAATCAAAAGTAAAAAGTACCCCTGTGTGGTTCCGAGTGACTCGGTTTT
 ACATCCTGTGGATGCACAGGACCGTGTACTCTTACTCGACGGCACCAATCTCTGCCGGAACGAG
 GATCCAACGTGCGCCGCCCTCTGGCACAGGAGACGGGTGCTCATGGGAAAGCCTTTCGAACTTGGTTTCG
 AACAGTCAGCAATTGGAAGGAAAGGGCAAGAGCCAACCTCAGGAGAGAATGGTAGCAAAACGAGAGGGCAA
 GAGAAGGCAGCAGCAGGAGTTGGAGCAGCAGATGAAAGCCGAGCTGGAAAGCACACCTCCGCGGAAGAGT
 TTACGCTTACAAGGCTCCTCGGAGGAGCGGCCACAATCGAAATCGTGCCAGTGCCGGCACCGCCCCAC
 CTCCCGCATCCCAGCAAAGGACAAAGCCGCGCTACCTACTTCGGAAGACAGGACTTTTTAAAAAAGTAAAG
 TGACTCCTTAATCAAACGAAGGCCCATGGTAACTCCTGGTGAACCGGACTGAGAAAATTAGGAAATACT
 TGCTATATGAATTCTGTTCTTCAAGTGTGAGTCACTTACTCATTTTTTCGACAATGTTTTTAAAGCTTG
 ACCTGAACCAAGTGGCTGGCTGTGGCTGCCAGCGATAAGGCCCGATCCTATAAGCACTCAGCCGTACGGA
 GGCGGGCCACAGCAGATGAACGAAGGGCAAGAGAAAGAGAAAGGCTTCGTATGCTCCAGACATTCGGGT
 TTATCCTCAGGCCCTGAGCGGAGGGGCCCAAAAGTTCGGAACATGGAGCTTATTCAGCCAAGGGAGCCCA
 GTTCCCGTACAGTTCTCTCTGCCATGAATTGCATATCCTGTTCCAAGTCAATGGTCTGGAGATGGGG
 CTTGGTCTCACCGTTTGCCATGCTTCACTCCGTGTGGAGGCTGATCCCTGCTTTCGCGGTTACGCCCAG
 CAGGATGCTCAGGAATTTCTTTGTAACCTCTGGATAAGATACAACGTGAAGTAGAGACAACCGGAACCA
 AGTTACCAGCCCTCATCCCCTTCCAAAGGAGACTTATTGAGCAAGTCTGAATGTGGTGAATAACAT
 TTTTCACGGACAATTTCTTAGTCAGGTTACATGTCTTGTGACAACAAATCAGATACCATAGAATCC
 TTCTGGGACTTGTCCCTGGAGTTCCAGAGAGATACCAGTGCAGTGGGAAAGATGCTGCCTCCCAGCCGT
 GCCTGGTACTGACATGTTGGACAAATTTACAGAAACAGAAGCTTTAGAAGGGAAAATCTACATGTGTGA
 CCATTGTAACCTAAAGCGTAGAAAGTTTTCGTCAAAATCAGTTGTATTACAGAAAGCCAGAAAGCAGCTT
 ATGATATGCCATCTACCTCAGGTTCTCAGACTGCACCTCAAACGGTTCAGATGGTCAGGAGTAATAACC
 GAGAGAAGATTGGTGTTCATGTTGTCTTTGAGGAAACCTTAAACATGGAGCCTTATTGCTCAGGGAGAC
 CCTGAACGCTCTCAGACCAGAGTGCTTTCTCTATAATTTATCTGCTGTCGTAATTCACCATGGAAAAGGA
 TTTGGCTCAGGACACTACACTGCCTACTGCTACAATTCGGAAGGAGGGTCTGGGTCCACTGCAACGATT
 CCAAGCTGAGCATGTGCACGATGGAAGAAGTACGCAAGGCCCAAGCTTATATCTTATTTTACTCAGCG
 AGTTACTGAGAATGGACATTCGAAACTCTTGCCTCCGAGCTCCTGTCCAATAGCCAGCACCCAGTAAG
 GAGACTGATGCCTCTTCTAATGAAGTCCTTAGC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001206851

Insert Size: 2136 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).

OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<ol style="list-style-type: none">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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001206851.1</u> , <u>NP_001193780.1</u>
RefSeq Size:	2533 bp
RefSeq ORF:	2136 bp
Locus ID:	327799
UniProt ID:	<u>Q8C2S0</u>
Cytogenetics:	10 C2
Gene Summary:	Deubiquitinase that plays a key regulatory role in the spindle assembly checkpoint or mitotic checkpoint by preventing premature anaphase onset. Acts by specifically mediating deubiquitination of CDC20, a negative regulator of the anaphase promoting complex/cyclosome (APC/C). Deubiquitination of CDC20 leads to stabilize the MAD2L1-CDC20-APC/C ternary complex (also named mitotic checkpoint complex), thereby preventing premature activation of the APC/C. Promotes association of MAD2L1 with CDC20 and reinforces the spindle assembly checkpoint. Acts as a negative regulator of histone H2B (H2BK120ub1) ubiquitination.[UniProtKB/Swiss-Prot Function]