

Product datasheet for **MC217222**

Usp44 (NM_183199) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Usp44 (NM_183199) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Usp44
Synonyms:	E430004F17Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC217222 representing NM_183199
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGATAGGTGCAAGCACGTTGAGCAGTTGAGCAGTTGCTCAAGGCCATTCCATCTTGGACCCTCAGAAAT
GGTACTGTATGGTCTGCAACACAACCGAGTCCATTTGGGCTTGCCTCAGCTGTTCCACGTCGCCTGTGG
GAAGTACATCCAAGAGCACGCACTGAAGCACTTCAAGAAAGCAGCCATCCCCTTGCCTTCGAGGTGAAC
GACATGTACGCTTTTTGTATCTTTGTAACGATTATGTTCTAAACGATAACGCAGCCGGAGACCTGAAGT
CACTACGGAGTACACTAAGTACAATCAAAAGTAAAAAGTACCCCTGTGTGGTTCCGAGTGACTCGGTTTT
ACATCCTGTGGATGCACAGGACCGTGTACTCTTACTCGACGGCACCAATCTCTGCCGGAACGAG
GATCCAACGTGCGCCGCCCTCTGGCACAGGAGACGGGTGCTCATGGGAAAGCCTTTCGAACTTGGTTTCG
AACAGTCAGCAATTGGAAGGAAAGGGCAAGAGCCAACCTCAGGAGAGAATGGTAGCAAAACGAGAGGGCAA
GAGAAGGCAGCAGCAGGAGTTGGAGCAGCAGATGAAAGCCGAGCTGGAAAGCACACCTCCGCGGAAGAGT
TTACGCTTACAAGGCTCCTCGGAGGAGCGGCCACAATCGAAATCGTGCCAGTGCCGGCACCGCCCCAC
CTCCCGCATCCCCAGCAAAGGACAAAGCCGCGCTACCTACTTCGGAAGACAGGACTTTTTAAAAAACTTGA
CCTGAACCAAGTGGCTGGCTGTGGCTGCCAGCGATAAGGCCGATCCTATAAGCACTCAGCCGTCACGGAG
GCGGCGGCACAGCAGATGAACGAAGGGCAAGAGAAAGAGAAAGGCTTCGTATGCTCCAGACATTCGGGTT
TATCCTCAGGCCGTGAGCGGAGGGGCCCTCAAAGGTCGGAACATGGAGCTTATTAGCCAAGGGAGCCAG
TTCCCCGTACAGTTCTCTCGCCATGAATTGCATATCCTGTTCCAAGTCATGTGGTCTGGAGAGTGGGCC
TTGGTCTCACCGTTTCCCATGCTTCACTCCGTGTGGAGGCTGATCCCTGCTTCCGCGGTTACGCCCAGC
AGGATGCTCAGGAATTTCTTGTGAATCTGGATAAGATACAACGTGAACCTAGAGACAACCGGAACCAA
GTTACCAGCCCTCATCCCCTTCCCAAAGGAGACTTATTGAGCAAGTCTGAATGTGGTGAATAACATT
TTTCACGACAATTTCTAGTCAGGTATGGATGTCTTGCACATTTTTATCATCTTCGGCAATTCCTACA
GTGCGGCCTACAACCTGGTATTCTGTATGGATCGAGCGTGGGAAAGTTGGTGGCATTCTCGGTCAGAAAT
AGATTTCTTTCACGAGTGTGTGAAGAAGTCACGGATCTCTGAATCATTGGAAATAGTTTTGTATTGTGG
AAGCAGTGGCTTTATGGGGAGAGAGTAAGGAGAACTGCATCTTCTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_183199

Insert Size: 1518 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:	<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.
RefSeq:	NM_183199.3 , NP_899022.2
RefSeq Size:	2946 bp
RefSeq ORF:	1518 bp
Locus ID:	327799
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]