

Product datasheet for MC229396

Usp43 (NM_001291049) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Usp43 (NM_001291049) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Usp43
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC229396 representing NM_001291049 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATCCGGCGTGGGAACGCACTGGGAGAGGGGCCGCCCGCCCGCCCGCCCGCCCGCCCGCCGTTC
TTCGCCCGCTGCTTAACCGCTTCTCTAGCTCTGGGCAGCCGCTCCCGCTCGGGGACTCGCCGCCCG
GCCCGCCCGCCAGCCAGTCCCTACGATGGCGATGGAGAAGGGGGCTTTGCTGCGCCCGCCCGCCGCA
CCAGCCTCTGCCGGGAGTCCAGGGCAGATCGTCTCCGGGATCCCAACCCAGATATCTTCGGGTGACG
GGGCGCTCGCCCGCCGCTCAGGGCTTGAAGAACCATGGCAACACCTGTTTCATGAACGCGGTGGTGCA
GTGTCTCAGAACACCGACCTGTGGCCGAGTTCCTAGCGCTGGGGCGCTACCGGGCGCCCGGGCCG
GCCGAGGTACCGAGCAGCTGGCGGCGTGGTGCAGCGCTCTGGACGCGGAATACACGCCCACTTT
CCGAGAGTTCAAGAATGCTGTTTCTAAGTATGGCTCCAGTTCCAAGGCAATCCAGCAGCATGCCCT
GGAATTCCTGCTCTGGTCTGGATCGTGTCCAGGAGCTTGAAGGCTCAGCTCACGGCTGGTATCT
GAGCAGTGCCTCCAGAGTGAGTAAGATCTCAGAGGACCTCCGGCCATCTGCAGCTCCTACCTCCTTAG
GGCCAGCTTTGTGCAGGCCACTTTCAAGCACAGTACAGGTCTTCTTGACTTGTCCACTGCCTAAA
ACAAAGCAACACCTTCGACCCTTCTGTGTGTGCCCTCCCATCCCTTGCAGCAGACGAGATCTTG
AGTGTCACTTTGGTGTCCCTCAAAGAGCCAGCGGTTTCTGCGTGTGGCTTGGCCGTGCAATCTCA
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TGAAGTGTATCCCAATGGATTCCAGCGTCATTCTTGTGAAGAGGACCTGAATACCATTCAGAGGGT
GACAATGTGTATGCTTCCAAAGTCCCTCCTTCACTGGTCTGGGACGCTCTCAGCCATCCGTCTGGTC
TGTCAGTGTACCGCGCTTCCAGTCCGTGACAGCCAGCAGTCTCTGGGCTCTCCACAGCGAGAAGAG
GGTGGTCTTTCTTCTGTAACCTGGTGGGCTCAGGGCAGCAGGCGAGCAGGTTGGACCACCGTCTTG
ATTCGGGAAGATAGAACAATCTCTGGGCCAGCTTCAACAGTGTATTCTCAGCAAGGTTGCATGCTCA
TGAGGAGTGAGGTCTCTGCACAGGACCTGGGACTCTGTTCTCCATCCGGTGTGGGCTCTCCTTGGC
CTGCAGCTACTTATCTCAAAGGACAACCGGCCCTTTGCCACTGGGAGTTGACAGGGCTTTGCACCTC
AGGAGGCCAGGAGCCCTCCTCATGTCAAGCTGGCTGTGGAATGGGACAGCTCTGTACAGAGCGCTGT
TTGGGAGCCTCCAGGAGAACGGTCCAGGATGCAGACAGTGTGTGGCGCAGCAGCAGGACACAGCA
GCCAGCTGTACCCTGGACGAATGTTTTAGTCTATACCAAGGAGGAACAGCTGGCCAGGATGATGCA



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TGGAAGTGCCCTCACTGCCAAGTCTCCAGCAGGGTGTGGTCAAGCTGAGTCTGTGGACTCTGCCGACA
TCCTGATCATCCATCTGAAACGGTTCTGT CAGGTGGGAGAGAGAAGGAACAAGCTCTCCACGCTGGTGAA
GTTCCCACTGTCTGGACTCAACATGGCTCCCATGTAGCACGGAGGAGCACCAACTCCAAGGCGGGGCC
GGCCCTTGGTCTCTGGAAGCAGCCGATCTGCCTCCCCACCACCTACCCGCTGGACTTCCTCTACGACT
TGTATGCTGTCTGCAACCACCATGGCAGTCTGCAAGCCTATTGCCGAACTCCCTGGACGGCCAGTGGTA
CAGCTATGACGACAGCACAGTGGAGGCCCTGCGAGAGGATGAGGTCAACACCAGGGGGGCTTACATCCTA
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CCTTGTCTGATCATTGGCTCATGAGACTCGGGAGCCTCAACAACAGCACAAAGGGGAAGCTTGCTGTCTG
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CAGGACAAGGGAGGAGTTGAGACCAGACCTTTGGTTCGGGGTGTGGTGGCCGAAGTATCAGCATGAAGG
CATCTCTGCTTCCCGATCCAGGCATGGGCCCTTCAAGACCATGCCCTGAGGTGGTCATTTGGACACAG
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AGCCAGTCCATTGTGCCGCTCTTGACTCGTGTCTGGTGGGAAGAGACTTCAGCGTCAACGAGGTCAG
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CGAACGGGAATGTAAGTCAGGATATCAGGCTCCCAAAAAGTTTGACCTGCCCTCACTGTGATGCCCT
CAGTGGGGGATGAAAAGCCAGCTCGCCCTGAGGGCCAGAAGATGACACCTTGAAGGGAAGTAGCCAGGT
GGGAAGCCAGAGTAGCCACCTTCCCCCTCCACTGGCTTGCTTAGAACTTTAAGGACAGTGGCCAGGT
ACCTTACCAAGATGAAGTCTAAGGCTGCCATGGAGGAAAGGGCCCTGACAAAGACAGGGGACAGGGGA
CATTCACTCTTTTGAAGTCTGTGTTTTGGAAGAAAGAACAAGAGGACTGTGAGACTGAGAGCTCACC
ACCAGCACCCCAATCTCCCTAGGGAGTGACCGGCTGAGCCCTGCTGCCATGAATGAGCAGGCCCTCAGG
ATTCGAGAGAGCCAGCCAAGGGCTGGCAACCACATGGAGAGGGACATCAGATCTGCGCCAGCTCTC
TCCACCTCCCCGAAAAGCCAGCAGGCCCTCGAGCCAGTACAGCTGGCACCTCACAAAGGACCATCC
TGGGGAACAGATTTCTTATGGCACCTGCAGAGAGTGAAATACCACACCCCTTCTTAGGTGAAAGAAA
TCCTTACCTGAGTCCAGCTTCTGA
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001291049
- Insert Size:** 3384 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:**
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_001291049.1](#), [NP_001277978.1](#)

RefSeq Size: 4447 bp

RefSeq ORF: 3384 bp

Locus ID: 216835

UniProt ID: [Q8BUM9](#)

Cytogenetics: 11 B3

Gene Summary: May recognize and hydrolyze the peptide bond at the C-terminal Gly of ubiquitin. Involved in the processing of poly-ubiquitin precursors as well as that of ubiquitinated proteins (By similarity).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) uses an alternate splice site in the central coding region, compared to variant 1. The encoded isoform (2) is shorter, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.