

Product datasheet for MC224319

Usp19 (NM_027804) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Usp19 (NM_027804) Mouse Untagged Clone
Tag: Tag Free
Symbol: Usp19
Synonyms: 8430421I07Rik; AI047774; Zmynd9
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC224319 representing NM_027804
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGTCTGCAGGGGCCAGTGCTACAGGGCCAGGAGGGGGCCGCCAGGACTGGAAGAGGCCACTAGTAAGA
 AGAAACAGAAGGATCGAGCAAACCTGAAAAGTAAAGATGGAGATGCTAGGAGAGTGTCCCTTCTCGAAA
 GGAACCAACAAAGATGAATTGTTGCTCGATTGGAGGCAGAGTGCAGATGAGGTGATTGTTAAGCTCGC
 GTGGGAACAGGTCCCGTACGTCTGGAGGATGTAGATGCTGCGTTACAGACACGGACTGTGTGGTAGGC
 TTCCAGATGGTCCGCAGTGGGGTGGTGTCTTTTCTGCTGAAATACAAAGTTCTTGCACCAAAGTGCAGGC
 TCGCAAGGGTGGTCTTCTACAGCTAGTACTACCAAGAAGGTGCCTCTGCTCACGTGGCCCTCTCTCCTG
 AAACCTCTGGGAACCAAGAGCTGGTGCCAGGTTTGCAGTGCCAGGAGAACGGGCAAGAGCTGTCTCCCA
 TTGCCCTGGAGCCAGGCTCTGAGCCCCGAGAGCTAAACAGGAAGCCGAAACCAGAAGCGGGCCAGGG
 CCGTGGTAGGTAGGCTCGGGGCTGGCCCTGGGACACAGGCAGGGCCAGCCCAAGAGGGCTGTTTCC
 CTCCGAGAGGGCCAGAAGGGGAAGGGTCCATGGATGGCCCCGGCCCCAGGGTGTGCCCGTCTTTCC
 TGTCTGACTCAGTACCCAGTTGAGGCTGAGGAGAAGCTCTGTGCTCCCAATGAACACTCAAACAAG
 TCTCTTGAGCTCAGAGAAGAGTTTAGCCCTTCTGACAGTAGAGAAGACAGTGTCCCCAGGAATGACCCA
 GTCGCCCCGTTATGGTCCAGGACAGAGACCCTGAGCCTGAGCAAGAAGACCAAGTCAAAGAGGAGATGG
 CACTTGGGGTGTATCCTACAGCCTTGGTGGAGGAACCAGAGTCTATGGTGAACCTGGCATTGTCAAGAA
 CGACTCGTATGAGAAGGGCCCGATTCCGGTGGTGGTGCACGTGTACGTGAAGGAGATCCGACGGGACAGC
 TCCCGAGTGTCTTCCGAGAGCAGGACTTCACTGATCTTCCAGACCAGGGACGAAACTTTCTGAGGC
 TGCATCCGGGCTGTGGGCCCCACACCATCTTCCGATGGCAGGTGAAGCTCAGAACTTGATTGAACCAGA
 GCAGTGTACGTTCTGTTTACGGCCTCTCGAATCGATATCTGCCTCCGGAAGCGGCAGAGTCAGCGCTGG
 GGGGACTGGAGGCCCTGCTACACGAGGTGCAGTGGTGGTGAAGGTTGCCGTGCCACAGGCCCAA
 CCCTTTGGATTCAACCCCTCCAGGAGGTGGCCCCACCCCTGACAGGCCAGGAGGAAGCCAGGGCTGT
 GGAGAAGGAAAAACCAAGGCTCGATCAGAGGACTCAGGGCTGGATGGTGTGGTGGCCCCGACCCCTTG
 GAGCATGTAGCCCCAAAGCCAGACCCACACTTGGCCTCGCCAAACCCACGTGTATGGTGCCTCCAATGC



CGCACAGTCCAGTTAGTGGGGATAGTGTGGAGGAGGACGAAGAGGAAGAGAAGAAGGTGTGCCTGCCAGG
 CTTCACTGGCCTTGTCAACTTAGGGAACACCTGCTTCATGAATAGCGTCATTCACTCTTTGTCCAACACT
 CGGGAACCTTCGTGACTTCTTTCACGACCGATCCTTTGAAGCTGAGATTAACAATAACCCATTGGGGA
 CTGGTGGGCGCCTCGCCATTGGCTTTGCTGTGCTGCCGGCCCTATGGAAGGGTACTCACCAAGCCTT
 TCAGCCCTCCAAGCTAAAGGCCATTGTGGCAAGCAAGGCCAGCCAGTTTACAGGCTATGCACAGCATGAT
 GCTCAAGAGTTTCAATGGCTTTCTTGTGGATGGGCTACATGAAGACCTCAATCGAATCCAAAAACAAACCT
 ACACAGAGACTGTGACTCGGACGGGCGGCCGATGAGGTGGTAGCCGAGGAAGCATGGCAGCGGCACAA
 GATGAGAAAATGATTCATTATTGTGGACCTGTTTCAGGGCCAGTACAAGTCAAAGCTGGTGTGCCCTGTG
 TGTGCCAAGTCTCCATCACTTTTGACCCGTTCTTTATCTGCCGGTACCCTTGCCACAAAAAGCAAAGG
 TTCTCCCATATTTTATTTTGGCAGGGAGCCCCACAGCAAGCCCATCAAGTTCCTGGTGAAGTGTGAGCAA
 GGAGAATCCAGCGGAGTGAAGTGTGGACTCCCTCTCTCAGAGTGTCCACGTGAAGCCTGAGAACCTG
 CGCCTAGCCGAGTAATTAAGAACCCTTCCACCGTGTCTTCTGCCCTCCCACTCACTGGACGCTGTGT
 CCCCCACGGACGTGCTCCTGTCTTGTGAGTGTCTCCCCAGAAGTGGCTAAGGAGCGGGTAGTAGTGT
 GGAGGTGCAGCAGCGCCCCAGTACCCAGCATCCCTATCTCAAGTGGCAGCCTGCCAGCGGAAGCAG
 CAATCAGAAGAAGAAAAGCTGAAGCGCTGTACCGTGTGCTACCGTGTGGGCTACTGCAACCAGTTCTGCC
 AGAAAACCCATTGGCCTGACCACAAAGGCTCTGCCGCCCTGAGAACATTGGCTACCCCTTCTGTGTCAG
 TGTGCCTGCTTACGCCTCACTTATGCCCGTCTTGTCTCAGCTACTAGAAGTTATGCCCGGTAAGTCTGTG
 AGTGTATTCACACCGCCCTTCCAGCCTGGCCGCATGGCTTTGGAATCGCAGAGCCCTGGCTGTACCACGT
 TGCTTTCAACCAGCTCTCTGGAGGCTGGGGACAGTGAAGAGAACCCATTAGCCTTCTGAGCTCCAGCT
 GGTGACCCCTGTGGCTGAAGGGGATACAGGGGCTCACCGAGTATGGCCGCTGCTGATAGGGGCTCTGTG
 CCTAGCACCAGTGGACTCTTCTGAGATGTGGCCAGTGGGCCATCGAAGGTTGTCCCTTGTGCTGTG
 GTGAGAGGGTATCTCGGCTGAAGCTGCTGTGCCTGGTACCAACTCAAGTGAATCTGTAATACCCA
 CACGCCCAGTTCTTATCTATAAAATTGATGCATCAAACCGTGAGCAGCGGCTGGAGGACAAAGGGGAG
 ACACCATTGGAGCTAGGTGATGACTGTAGCCTGGCTCTGGTGTGGCGGAACAATGAACGCCTGCAGGAGT
 TTGTGTTGGTAGCCTCCAAGGAGCTGGAATGTGCTGAAGATCCAGGCTCTGCTGGTGAAGGCTGCCGTGC
 TGGCCACTTACCCTGGACCAAGTGCCTCAACCTCTTACACGGCCTGAAGTGTGGCACCTGAGGAGGCC
 TGGTACTGCCACAGTGCACACAGCATCGTGAGGCCTCAAACAGCTGCTGTTGTGGCGCCTACCGAACG
 TGCTGATTGTGCAGCTCAAGCGCTTCTCCTTTCGTAGTTTCAATTTGGCGAGACAAGATCAATGACTTGGT
 GGAGTTTCTGTTTCGGAACCTGGACTTGAGCAAGTTCTGTATCGGTGAGAAAGAGGAGCAGCTGCCTAGC
 TATGACCTGTATGCTGTCATCAACCACTACGGAGGCATGATCGGTGGCCACTATACTGCTGTGCACGGC
 TGCCCAATGATCGCAGTAGCCAGCGCAGTACGTGGGCTGGCGCTTGTGATGACAGCAGGTTGACAAC
 AGTAGAGAAAGCCAGGTGCTGACGCGCTATGCCTATGTTCTCTTCTACCGTCTGCGAACTCTCCTGTG
 GAGAGACCCCCAGGGCAAGTCACTCTGAACACCACCCAGACCTAGGCCCTGCAGCTGAGGCTGCTGCCA
 GCCAGGCTTCCCGGATTTGGCAGGAGCTCGAGGCCGAGGAGGAGATGGTACCTGAGGGGCCCTGGGCTCT
 GGGTCTTGGGGGCCCAAGACTGGGTGGGGCCCCCGCCACGTGGCCCTACCACACCAGACGAGGGTTGC
 CTCCGATACTTTGCTCTGGGTACCGTGGCGGCTTTGGTGGCCCTTGTGCTCAACGTATTCTATCCTCTGG
 TATCTCAGAGTCGCTGGAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:

NM_027804

Insert Size:

4083 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_027804.4 , NP_082080.3
RefSeq Size:	4727 bp
RefSeq ORF:	4083 bp
Locus ID:	71472
UniProt ID:	Q3UJD6
Cytogenetics:	9 F2
Gene Summary:	<p>Deubiquitinating enzyme that regulates the degradation of various proteins. Deubiquitinates and prevents proteasomal degradation of RNF123 which in turn stimulates CDKN1B ubiquitin-dependent degradation thereby playing a role in cell proliferation. Involved in decreased protein synthesis in atrophying skeletal muscle. Modulates transcription of major myofibrillar proteins. Also involved in turnover of endoplasmic-reticulum-associated degradation (ERAD) substrates (By similarity). Regulates the stability of BIRC2/c-IAP1 and BIRC3/c-IAP2 by preventing their ubiquitination. Required for cells to mount an appropriate response to hypoxia and rescues HIF1A from degradation in a non-catalytic manner. Exhibits a preference towards 'Lys-63'-linked ubiquitin chains (By similarity). Plays an important role in 17 beta-estradiol (E2)-inhibited myogenesis. Decreases the levels of ubiquitinated proteins during skeletal muscle formation and acts to repress myogenesis.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (1).</p>