

Product datasheet for **MC228929**

Usp1 (NM_001301414) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Usp1 (NM_001301414) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Usp1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228929 representing NM_001301414
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCTGGCGTCATACCTAGTGAAGTAATGGGCTTTCAGAGGCAGTCCATCCAAGAAAAACAGACTGT
 CTCTGAAGTTTTTTCAGAAAAAGGAACTAAAAGAGCCTTAGACTTTACTGATTCTCAAGAAAAATGAAGA
 AAAAACTTCTGAATATAGAGGATCTGAGATTGACCAAGTTGTTCCCTGCTGCACAGTCTCCCCAGTAAGC
 TGCGAGAAGAGAGAGAACTTGTACCATTTGTGGGATTGAATAACCTTGGCAACACTTGTATCTGAATA
 GTATTCTCAGGTGTTACTTTTGTCTGGCTTAAAGACTGGAGTGAAGCACTTATTTAATATTATTTT
 AAGGAAGAAAGAAGCTCTGAAGGATGACTCTAATCAGAAGGATAAGGGAAGCTGCAAAGAAGAGTCTTTG
 GCAAGTTATGAGCTTATGTAGTTTACAGTCTTAATAATTTTCAGTTGAACAGCTTCAGGCTAGTTTTT
 TCTTAAATCCAGAGAAATACAGATGAAGTCTACACAGCCAAAGGCGACTGCTGAACACACTCAGGGA
 ACTCAACCCTATGTATGAAGATTTCTACAGCATGATGCACAGGAAGTGTACAGTGTATTTCTGGGAAAC
 ATCAAGAAACATGCCAACTCCTAAAAAAGAAGAAATAAAAACTGGCTGAATTATCCGCAAGGTTG
 AAGAACAATCTTTCAGAAAGAGGAAACAGGTGGAATTACCAGCACAGAGATTGACAGTATGAGGAATAC
 GGAGGACGTCAAAGAGCAGCTCCCAAAGGGAAGTGGAAAAGAAAAAGTACAGTGAAGTCCGAGTAACGTG
 AAGAAAAAGGTTAACTGTCCAGGGAATCCCAAGCATTGGAAGAAAAACCAGAGACAAACCAGATCCAAGA
 GAAAAGCTATCGGAGACACACTAGAGGCTGCTCCTAAGATCATCCCAAGTGTGTTTCTGAAAGTGAAG
 TGCAAAGCCCTCACAGAAGAAATCAAAGTTAAATAAATTGGTTAAAGCCATCCACTAAGCAACCCAGC
 ATCTTTCCAAGTCTGTAGTCTTGAAAAATAACAATAACAGCGCTCCAAAGGACAACCTAAGGAAA
 AGGAGGGTGTGTTGAAGAGGACTTGGAGAAGTACGGAAGTACCACACAGCTAATGGTGGACCCGAATC
 TCCAGGAAGTAGCGTCACACCTGTGGACAGAGTGAAGCCAAGTCCGGAACAAAGGTGCTGAACAGATT
 GGCTTTGAGCTAGTAGAGAACTGTTTCAAGGTGAGCTCGTGTAAAGACTCGGTGTTTGGAAATGTGAAA
 GCTTAACAGAAAGAAGAGAAGATTTCCAGGATATTAGTGTCCAGTGAAGAAAGTGAAGTCTTCCAGGT
 CGAGGAGAGCTCTGAAATTTCTCCAGAGCCAAAAACAGAAATGAAGACCTTGAGATGGGCAATTTACAG
 TTTGCTTCAGTGGAGAGAATTGTAGGAGAGGATAAATACTTCTGTGAAAATGGCCATCATTATACGGAAG
 CAGAGCGAAGTCTCCTGTTGATAAAATGCCTGAAGTTATCACTATTCTGAAGTCTTTGCTGCTAG
 TGGCTTGGAGTTTACTGTTACGGTGGTGGACTTCCAAGATCAACACTCCTTTATTGACACCTCTTAAA
 CTGTCACTAGAAGATGGAGCACAAAGCCGACGAATGACAGCTATGGATTATTTGCCGTTGTGATGCACA
 GTGGCATTACTATTAGTAGTGGGCACTATACCGCATCTGTTAAAGTCACTGACCTAACAGTCTAGAGCT
 CGATGAGGGGAATTTTGTGGTTGACCAGATGTGTAACTAGGTAAGCCAGAGCCACTGACCGAGGAGCAA
 GCAAGGGGGACGGCTGGGAACTACGACGATGAAGTATCAATTAGAGTTGGTGGAAATGCCAGCCAAGTA
 AAGTTTTGAACAAAAAATGTAGAAGTATTGGACTTCTCGGTGGACAAAAGAGCAAAGCAGATTATGA
 GCTGTACAACAAAGCATCTAATCCTGATAAGGTGGTGGGACACCATTACCCGACAATAGAAATTTGAA
 ACTAATGATACTACTAATGGGACCCACGAATCTGACAGGAACAAGGAATCCAGTGACCAACAGGCGTTA
 ACATGAACGGACTTGAGAACAAAATTTCTATGTAGTGAAGCTTAAAGGAGTACGAGGGGAAGTGTT
 GCTCTTTGACGATTCTGAGGTAAGTGAAGAGAGAAAGACTTCTGAATTCTCTCCCTTCTACA
 TCCCTACGCTACTCCCTACTTGTCTATTCTATAAAAAATTATAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001301414
Insert Size: 2355 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.
RefSeq:	<u>NM_001301414.1</u> , <u>NP_001288343.1</u>
RefSeq Size:	3608 bp
RefSeq ORF:	2355 bp
Locus ID:	230484
UniProt ID:	<u>Q8BJQ2</u>
Cytogenetics:	4 C6
Gene Summary:	<p>This gene encodes a member of the ubiquitin-specific peptidase family. The encoded protein acts as a catalytic subunit in a heterodimeric deubiquitinating enzyme complex that deubiquitinates Fanconi anemia, complementation group D2, and plays a role in homologous recombination-mediated DNA repair. Disruption of this gene is associated with a Fanconi anemia-like phenotype and genomic instability. Alternative splicing results in multiple transcript variants. Pseudogenes of this gene have been defined on chromosomes 3, 12, and 15. [provided by RefSeq, Aug 2014]</p> <p>Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein.</p>