

## Product datasheet for MC224245

### Usp42 (NM\_029749) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Usp42 (NM_029749) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Usp42
Synonyms:	2410140K03Rik; 3110031A07Rik; A630018G05Rik; D5Ertd591e
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC224245 representing NM_029749 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGACCATAGTTGACAAAACCTGAACCTTCAGACCCATCAACCTGTCAGAACCAGCCTGGCAGTTGTGAGG  
CGGTCTCACCTGAAGACATGGACACAGGCTCTGCCAGCTGGGGCGCTGTGTCTTCAATAAGTGATGTCTC  
AAGTCACACACTTCCATTAGGGCCAGTGCCTGGTGTGTAGTTTATTCTAACTCGTCTGTACCTGAAAAA  
TCAAAGCCATCACCACCAAAGGATCAAGTCTAGGTGATGGCATTGCTCCTCCTAAAAGTCTGTTC  
CATCTGAAAAGATTTGTCTTAAGTGGCAACAAAGTCATCGAGTTGGCGCTGGGCTCCAGAATTTGGGCAA  
CACCTGTTTTGCCAATGCCGATTGCAAGTGTCTGACTTACACGCCACCCCTCGCCAATTACATGTTATCC  
CATGAACACTCCAAGACATGCCACGCAGAAGGATTTGTATGATGTGCACGATGCAGACACACATTACCC  
AGGCACTTAGCAACCCTGGGGATGTTATCAAGCCGATGTTGTCATCAATGAAATGCGGCGTATAGCTAG  
ACACTCCGTTTTGGAAACCAAGAAGATGCCCATGAATTTCTTTCAGTACACGGTCGATGCCATGCAGAAA  
GCATGTTAAATGGCAGCAATAAATTAGACAGACACACCAGGCCACCACCCCTGGTCTGCCAGATTTTG  
GAGGCTACCTAAGATCCCGAGTTAAATGTTAAATTGCAAGGGTGTTCAGATACTTTGATCCATATCT  
GGACATAACGTTGGAGATTAAGGCTGCACAGAGTGTACCAAGGGTGTAGAGCAGTTTGTGAAGCCAGAA  
CAACTGGATGGAGAAAACCTCTACAAGTGCAGCAAGTGCAAAAAATGGTTCCAGCTTCAAAGAGATTCA  
CAATCCATAGGTCCTCTAATGTTCTTACCATCTCACTGAAGCGCTTTGCCAACTCACCGGTGGAAAGAT  
TGCTAAGGATGTGAAATATCCTGAGTACCTTGATATCCGGCCCTATATGTCTCAGCCCAATGGAGAGCCA  
ATTATTTATGTTTGTATGCTGTGCTGGTGCACTGGTTTTAATTGTCATGCTGGCCACTACTTTTGTCT  
ACATCAAGGCTAGCAATGGCCTCTGGTATCAGATGAATGACTCCATCGTGTCCACCAGTGATATCAGAGC  
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GCTCATCTGCCATAGCCCCGCAATCTCTCCCCGCCAGGAGTCAGTCAGCGGGTAGTCAACAACA  
AGCAGGTGGCTCCAGGGTTTATTGGACCCAGCTGCCTTCCCATGTGATGAAGAACCGCCACACTTGAA  
TGGCACCACGCCAGTGAAGACACACCAAGTAGTCTGTGTCAAGCCCTAACGGAACACCGCGTCAAT  
AGGGCCAGTCTGCTACTGCTTCGACTTCTGTGCAGAAGTGGTCTGTTACCAGACCCCTCAGTTATCCAG



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ATCACCCCAAGAAACAAAAATCACCATCAGTATTCACAACAAGTTGCTGCTCGCCAGGGTCAGGCACC  
 ACTGAATAACAGCCTCCATGGCCCTTGTCTGGAGGCTCCTAGTAAGGCGGCACCCTCCTCCACCATCACT  
 AACCTTCTGCAATACAGTCTACCTCGAACGTACCACAACGTCGACTTCCCCAGTGAGGCTGTCCCA  
 AGCCATGGTGAACGGCAAGGCTAAAGTGGGCGCCAGTGTGCTTGTCCCTATGGGGCCGAGTCTCAGA  
 AGAGTCTGATGAGGAGTCGAAGGGCTGGCCAAGGAGAACGGTGTGGACATGATGGCCGGCACTCACTCC  
 GATAGGCCAGAAGCTGCTGCAGATGACGGTGTGAGGCTTCTCCCATGAGCTTCAAGAACCCTGCTGC  
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 GGTCAGCCCGAGCTACACACAGAAAACCTCTTTTCCAACTTAATGGTCTTCTGGAAAAGGTGACGCCT  
 GCTCCTTTGACGTCTGTTCTGAAGACAGAATCCTTGAGACCTTCAAGCTTACCAACCAGGCAAAGGGTC  
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 CATCAGTGATGAGCCAGTCCCCTTGAGATACCGGAGGCTGTACCAATGGGAGCACACAGACCCCTTCC  
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 CTCTTCCAGAAGCTCGGCGGTCTCTGCTGACACGATGCCCCCTAAGCCTGACAGGACCACCACAGCTCC  
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 AGCCTTCCCAGCCAAGGAAAAGATGAGCAGCCTCCGAAAAGTGGACCGAGGACACTATCGGAGCCGGAG  
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 AGCACTTGGGCCACGGGGACAGAGCCAGCCCTGAGCGCCGCTCCCTGAGCAGGTATAGTCACCACCACTC  
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 AGGGAGAGATTCTACCAGGACAAGCTGCGGTGGGACAAGTGCAGGTATTACCACGACAGGTACACGCCCC  
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 TGGACGGCCATACAAGGACAGCTACTGGGGCCGAAGGGCTGGGAGTGCATCCCGGGGAAGGAACGG  
 CCCCCTTCAACAGCCCCGAGAGGCCCTAGCCTTGCTGTGCCCTCGAGAGACATCTCCAAGAGAAGG  
 CTGCGCTGAGTGTGACAGGACAGCAGCCACAGTCTCCCTGAGCGCTTTCATGAACACAAAAGTGTCAAGTC  
 GAGGAAGCGGAGGTATGAGACTTAGAAAATAATGATGGCCGTAGAAAAGAAAGTCCACAAAAGCCTG  
 GAGAAGGACACGCTAGAGGAGCCAAGGGTGAAGAAGCACAAAAGTCTAAAAAGAAAAGAAAGTCCAAG  
 ATAAACACGGGATCGAGAAAGCAGCACCAGCAGGAGTCTGATTTTTCAGGAGCATACTCTGATGCTGA  
 CCTCCATAGACACCGGAAGAAAAGAAAAGAAAAGGCAATCCAGGAAGTCGGAGGACTTTATAAAG  
 GATGTTGAGATGCGTTTACCGAAGCTCTCCAGCTACGAGGCCGGCGCCATTTCCGGAGAACAGAGGGCA  
 GCTTTCTCCTGGCTGATGGTCTGCTGTGGAAGACAGCGCCCTTCCGGGAGAAAACGAAGCATTTAAG  
 GATGGAAGCCGGCTGACAGATGCCGTCTGTCGGAGTATGGCCAGGGTGACTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_029749

**Insert Size:** 3975 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:**

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\\_029749.2](#), [NP\\_084025.2](#)

**RefSeq Size:** 5151 bp

**RefSeq ORF:** 3975 bp

**Locus ID:** 76800

**UniProt ID:** [B2RQC2](#)

**Cytogenetics:** 5 82.5 cM

**Gene Summary:** Deubiquitinating enzyme which may play an important role during spermatogenesis.  
[UniProtKB/Swiss-Prot Function]