

Product datasheet for MC224327

Usp47 (NM_133758) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Usp47 (NM_133758) Mouse Untagged Clone
Tag: Tag Free
Symbol: Usp47
Synonyms: 4930502N04Rik; A630020C16Rik
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC224327 representing NM_133758
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGTGCCCGCGAGGAGAACCAACTGGTCCCGAAGGAGATAGAAAATGCTGCTGAAGAACCTAGAGTCT
 TATGTATAATACAAGACTACTAACTCGAAGACAGTGAACGGATCACATTAATTTACCAGCATC
 TACCCAGTCCGAAAGCTCTTTGAAGATGTGGCAACAAAGTAGGCTACATAAATGGAACCTTTGATTTG
 ACCAGGAAAATGGAGTCACTACTGCTGACATGGCACCCTGGATCACACCAAGTACAAGTCTCTTCTTG
 ATGCTAATTTTGAGCCAGGAAAGAAGAACTTTCTGCATTTGACAGATAAAGATGGTGAACCGCTCAGAT
 GTTGTGGAGGACTCCAATAACGTGGATGACAGCGTGCATGACAGGTTTATAGGTCCTGCAAGAGAA
 GGTCTGTGGCCTCTACCAATGATTATGTCAGCCAGAAGTACTCTTATCATCAATTTTGAACAAGTCAG
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 AGTATCCCATACCAGCTTCAAAGGCTTTTGTGTTTACAACAGCAAAAAGAGAGCAATTTGAGACCA
 CAGATGTTACAAGGAGCTTTGGATGGGATAGCAGTGGGCTTGGCAACAGCATGATGACAAGAAGTGTG
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 TACCAAGCAAGCTGAAAGATTATGTGAGGTGCTGGAATGCGGTTATGAAGGCTGGAGAATTGACACGT
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 GCATGCATTTATCAACCAGAGATCTTGGATGGCCAAATCAATATTTTGTGAACGTTGTAAGAAGAAG
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 TGAGCTCTTCTCAGTGTGGTGCATTCAGGGAGTGTGCTGGAGGACACTATTATGCTTGCATAAAGTCT
 TTCAGTGACGATCAATGGTACAGTTTCAATGACCAACATGTGAGCAGGATAACACAAGAAGACATTAAGA



AGACACATGGTGGGTCTTCAGGAAGCAGAGGCTACTACTCCAGTGCTTTTGAAGCTCAACAAATGCATA
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CACATTAAGAATCTGGTGCAAGGAGAGAGAGCTGGAAGAGCAGGAAAAGAGGCAACGAGAGATTGAAC
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GTTGATCTGAAAGCAGAGACTGTCGCTGCTCTGTAACAGTGCCTGCGTATTTAAATCAGACAGTTACAG
AGTTTAAACAGCTGATCTCAAAGGCCACGCACTTACCTGCAGACTCCATGAGGATAGTGCTGGAGCGCTG
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TCCTGGATCGACATGAAATAAATCCGGTATTTGTTTTGCTGCCTGAACAATCTCCAGGATCATATTC
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AAATATTGAATCCCTCTCAATGAGAGGGGCTCTTCCACCTCTGTGGATAATCGAGAAGTTGAACAGCAC
ATTCAGACTTCTGACCCAGAAAACCTTTCAGTCTGAGGAACGCTCGGACTCAGATGTGAATAATGACCCGA
GTACAAGTTCCGTAGACAGTGAATTTAGTCCAGTACAGCAGTGCAGTCTTGTGCAATGCAGACAG
CGCTCAGATTCCTCTGGCCAATGGACTTACTCTCACAGTATCACAAGTAGTAGAAGAACTAAAGCAAAC
GAGGGGAAAAGGAGACCTGGGACACAGCTGAAGAAGACTCTGGGACTGACAGTGAATATGACGAGAGTG
GCAAGAGCAGGGGGACATGCAGTACATGACTTCAAAGCTGACCCCTACACTGCGGATGAAGGCTCTGG
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AGACCGTCCGGTTGAATGAGACCCTTTCATCATTTTTAGATGACAATAAGATCACAAATCCGACTGGGGAG
AGCACTGAAGAAGGGAGAGTACAGAGTTAAAGTGTGCCAGCTCTTAGTCAATGAGCAAGAGCCATGCAAG
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TCAGGGAGCAGTGTGGCTTAGACCTCAGCATCGACAGGTTTCGTCTAAGGAAGAAAACATGGAAGAAATCC
TGGCACTGTCTTTTGGATTATCATATTTATGAAGAAGATATTAATTTCCAGCAACTGGGAAGTTTTTC
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GGCCTGCAGAGATGAAGTTGGACCCCTCCAGGAGCTTGTGTTGGAAGCAATAGTGTGATGAACTCCG
AGAGAAGCTAAGTGAATCAGTGGGATTCTTTGGAAGACATTGAATTTGCCAAGGGTAGGGGAACCTTC
CCCTGTGATATTTCTGTCCTTGATATTCATCAAGATTTGGACTGGAATCCTAAAGTCTCTACCCTGAATG
TTTGGCCTCTTTATATCTGTGATGATGGTGCCGTCATATTTATAGGGATAGAACAGAAGAAGTATGGA
ATTGACAGATGAGCAAAGAAATGAATTGATGAAAAGGAAAGCAGCCGACTGCAGAAGACGGGACATCGT
GTGACATACTCCCTCGCAAAGAGAAAGCACTCAAGATCTACCTGGATGGGGCGCCAAATAAAGATGTGG
CTCAAGACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:

NM_133758

Insert Size:

4071 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:	<u>NM_133758.3</u> , <u>NP_598519.2</u>
RefSeq Size:	5540 bp
RefSeq ORF:	4071 bp
Locus ID:	74996
UniProt ID:	<u>Q8BY87</u>
Cytogenetics:	7 F1
Gene Summary:	Ubiquitin-specific protease that specifically deubiquitinates monoubiquitinated DNA polymerase beta (POLB), stabilizing POLB thereby playing a role in base-excision repair (BER) (By similarity). Acts as a regulator of cell growth and genome integrity. May also indirectly regulate CDC25A expression at a transcriptional level.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) lacks an in-frame exon in the 5' coding region, compared to variant 1, which results in a shorter isoform (2), compared to isoform 1.