

Product datasheet for **MC220460**

Usp49 (NM_198421) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Usp49 (NM_198421) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Usp49
Synonyms:	C330046L10Rik; Gm545
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC220460 representing NM_198421
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATAGATGCAAACATGTAGGGCGTTACGGCTCGCCAGGACCCTCCATCCTGAATCCCCAGAAGT
 GGTGCTGTCTGCAGTGCGCCACCCAGTCTGGTGGGCTGCCTCAAGTGCTCCACGTGGCCTGCGG
 CCGCTACATTGAAGACCATGCACTAAAACACTTTGAAGAGACAGGACACCCGCTGGCCATGGAGGTCGG
 GACCTCTACGTGTTCTGTACTGTGCAAGGACTACGTGCTCAATGACAACCCGGAGGGGACCTGAAGT
 TGCTGAGAAGCTCCCTCTGGCAGTTCGAGGCCAGAAGCAGGACCTGCTCGCCAGGCGTGGGCGGACGCT
 GCGGTCCACAGCTGCGGGCGAGGACGTGGTCCCGCCACAGCGCACTCCTCAGGGACAGCCGAGATGCTC
 ACGGCTCTGTGGTACCGGCGCCAGCGCTGCTGGCCAAGACGCTGCGGCTCTGGTCCAGAAGAGCTCCC
 GCGGCCGGGCGCAGCTGGAGCAGCGGCGCAGGAGGAGGCGCTGGAGCGCAAGAAGGAGGCGCGCGGCA
 GCGGCGCGCGAGGTCAAGCGGGCGTCTGGAGGAGTGCCAGTGCGCCCGCGGAAGAGTGCAGCGC
 CTGCTCCTGCACGCTCCCGGGCCGTGGCCGTGCGCCCTGCCACCCTCGTACCTCCCGGCGCTTGCCG
 CAGCTGCCCTCAATCCCGCGCCGACGCCGGCGGTGGCCCCAGGTGTACCAGGCTGCGCAACCTGGGAA
 TACCTGTACATGAACCTCATCCTCAAGTGCTCAGCCACCTCCAGAAGTCCGGGAATGTTTCTGAAC
 CTCGACCCCTCCACCTCCGAGCAGCTGTTTCCCAAGCAACCAACGGGAAGGCGCAGCTCTCTGGTAGGC
 CAGCCAGCAGCTCTGCCGAGAGTTGTCAAGTGTCCGGGCCAGGGCTGCGAACCTCAGGGCT
 CTGCTGGAGCAGCGGAGCCTCCATCAGCAGGAGCTGGAGCTCATTGAGAACAAGGAACCCAGCTCAAAG
 CACATTTCCCTCTGCCACGAAGTGCACACCCTCTCCGAGTATGTGGTCTGGGAAGTGGGCGCTGGTAT
 CACCCCTTGCCATGCTTCACTCCGTGTGGAGCCTGATTCCCGCCTTCGTGGCTACGACCAGCAGGATGC
 GCAGGAATTTCTCTGCGAAGTCTGCACAAGGTGCAGCAGGAAGTGTAGTCTGAGGGTTCACACGCAAG
 ATCCTCATCCCATTCTCCAGAGGAAGCTCACCAACAGGTCTTAAAGTGGTGAACACCATATTTTCATG
 GGCAGCTGCTCAGTCAGTACATGTATATCATGCAATTATAAATCCAATACCATTGAGCCCTTTGGGA
 TCTGTCCCTGGAATCCCTGAACGATACCCTGCATAGAAAAGGGTTTGTCCCTTTGAATCAGACAGAG
 TGCCTGCTCACTGAGATGCTAGCCAAGTTCACCGAGACAGAGGCCCTGGAGGGGAGAATCTACGCTGTG
 ACCAGTGAACAGCAAACGACGAAAGTCCAACCCCAACCCCTTGTCTGAGTGAAGCTAGGAAGCAGTT
 AATGATCTACAGACTACCTCAGTCTCCGGCTACACCTTAAAGATTGAGTGGTCTGGCCGTAACCAT
 CGTGAGAAGATTGGGGTCCATGTATCTTTGACCAGGTATTAACCATGGAACCTTACTGCTCAGGGACA
 TGCTCTCCTCTTTGACAAAGAGACCTTTGCCTATGATCTCTCCGAGTGGTTCATGCATCAGGGAAAGG
 GTTTGGCTCAGGACACTACACAGCCTATTGCTACAACACAGAGGGAGGTTTTTTGGGTCCACTGCAATGAC
 TCAAAGCTGGATGTATGCAGTGTGAGGAAGTGTGCAAAACCCAGGCCTACATTCTTTTTTACACTCGAA
 GAACAGTTCAGGGCAGCGCAAACTCTCAGAACCCCATCTCCAAGCTCAGGTGCACTCCAGCAGCAAGGA
 CGAACGCAGAACATACACATTGCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_198421
- Insert Size:** 2058 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_198421.1](#), [NP_940813.1](#)

RefSeq Size: 5598 bp

RefSeq ORF: 2058 bp

Locus ID: 224836

UniProt ID: [Q6P9L4](#)

Cytogenetics: 17 C

Gene Summary: Specifically deubiquitinates histone H2B at 'Lys-120' (H2BK120Ub). H2BK120Ub is a specific tag for epigenetic transcriptional activation and acts as a regulator of mRNA splicing. Deubiquitination is required for efficient cotranscriptional splicing of a large set of exons (By similarity).[UniProtKB/Swiss-Prot Function]