

Product datasheet for **SC113428**

USP49 (NM_018561) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	USP49 (NM_018561) Human Untagged Clone
Tag:	Tag Free
Symbol:	USP49
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_018561, the custom clone sequence may differ by one or more nucleotides

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ATGGATAGATGCAAACATGTAGGGCGTTACGGCTCGCCAGGACCACTCCATCCTGAACCTCAGAAGT
GGTGCTGCTTAGAGTGTGCCACCAACAGTCCGTGTGGCCTGCCTCAAGTGTCCCACGTGGCCTGCGG
CCGCTATATTGAGGACCACGCCCTGAAACACTTTGAGGAGACGGGACACCCGCTAGCCATGGAAGTCCGG
GATCTCTACGTGTTCTGTACCTGTGCAAGGACTACGTGCTCAATGATAACCCAGAGGGGACCTGAAGC
TGCTAAGAAGCTCCCTCCTGGCGTCCGGGGCCAGAAACAGGACACGCCGGTGAGACGTGGGCGGACGCT
GCGGTCCATGGCTTCGGGTGAGGACGTGGTCTGCCGACGCGCTCCTCAGGGACAGCCGAGATGCTC
ACGGCTCTGTGGTACCGGCTCAGCGCTGCTGGCCAGGACGCTGCGGCTGTGGTTCGAGAAGAGCTCCC
GGGGCCAGGCGAAGCTGGAGCAGCGGGCAGGAGGAGCCCTGGAGCGCAAGAAGGAGGAGCGCGGAG
GCGGGCGCGAGGTGAAACGGCGGCTGCTGGAGGAGCTGGCCAGCACCCCTCCGCGCAAGAGTGCACGG
CTGCTCCTGCACACGCCCGGACGCGGGCCCGGCTGCCTCGCGCCCCGCGCCCTCCTACCTCACGCA
GAGTGCCCGCCGACACTCAAGTGCCTGCCAGCCGGCCATGGCCCCAGGCGTACGGGCTGCGCAA
CCTGGGCAACACCTGCTACATGAACTCCATCCTCCAGGTGCTCAGCCACCTCCAGAAGTTCGAGAATGT
TTCTCAACCTTGACCCTTCCAAAACGGAACATCTGTTTCCAAAAGCCACCAACGGGAAGACTCAGCTTT
CTGGCAAGCCAACCAACAGCTCGGCCACGGAGCTGTCTTGAGAAATGACAGGGCCGAGGCATGCGAGCG
GGAGGGCTTCTGCTGGAACGGCAGGGCCTCCATTAGTCGGAGTCTGGAGCTCATCCAGAACAAGGAGCCG
AGTTCAAAGCACATTTCCCTCTGCCGTGAACTGCACACCTCTTCCGAGTCATGTGGTCCGGGAAGTGGG
CCCTAGTGTGCGCCTTCGCCATGCTCCACTCAGTGTGGAGCTGATCCCTGCCTTCGCGGCTACGACCA
ACAGGACGCGCAGGAATTTCTCTGCGAGCTGCTGCACAAGTGCAGCAGGAACCTGAGTCTGAGGGCACC
ACAGCCGGATCCTCATCCCCTTCTCCAGAGGAAGCTACCAAACAGGTCTTAAAGGTGGTGAATACCA
TATTTTCATGGGCAGCTGCTCAGTCAGTACATGTATATCATGCAATTACAAATCAATACCATGAGCC
CTTTTGGGACCTATCCCTGGAATCCCTGAACGCTATCACTGCATAGAAAAGGGTTTGTCCCTTGAAT
CAAACAGAGTGTCTCACTGAGATGTGGCCAAATTCACAGAGACAGAGGCCCTGGAAGGGAGAATCT
ACGCTTGTGACCAGTGTAAACAGCAAACGACGAAAATCCAATCCCAAACCCCTTGTCTGAGTGAAGCTAG
AAAGCAGTTAATGATCTACAGACTACCTCAGGTTCTCCGGCTGCACCTTAAAAGATTGAGTGGTCTGGC
CGTAATCATCGAGAGAAGATTGGGTCCATGTCGTCTTTGACCAGGTATTAACCATGGAACCTTACTGCT
GCAGGGACATGCTCCTCTCTTGACAAAGAGACCTTTGCCTATGATCTCTCCGAGTGGTATGCATCA
CGGAAAGGGTTTGGCTCAGGACACTACACAGCCTATTGCTACAACACAGAGGGAGTGCCTGCGCTTGA
CTCTGTGGGTGGGGACACGAAAGGGTTGA
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_018561 unedited

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TTACCCCCGCCCCGTTGGCGCAATGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATAAG
CAGAGCTCATTTAGGTGACACTATAGAATAACAAGCTACTTGTCTTTTTGCAGCGGCCGC
GAATTCGCGCAGGAGGCAAGATCCAAGGTGAAAACAGTGAAGTAAAGAGACAGGGCTAAA
AGCAAATGGTGAGAGGAGCAGGAAGAGATGGGCCCCAGAATTTAAAGGATGAGATGGGGA
GTAAGGGAAGAGAGGGGGCTAAGAGAAGCTGGGGGAGTCCCTGATGGATGTAGAAGTGGGG
TAGACTGCAGGGGGTGGGAATCGAATGTGCGTGTATGGGGAGTTGCTCCAGAAGGTCT
GCAAGGGTCAGGGCAGAAATGCTGTAGTGAAAGATCAAGTGTAAAGAGAGCCTTTGGTGCA
GAAGACGAGGAACCATGATTCTTTGGATGGGAAGAGACCTTGAAGGACCTCTAGTTTAT
CCTGCAACTCCAGTCAATATCCCACTTAAATCATTCCAGGTAATAGAGAAGAGGAAACCT
AACCAATGACTGTGGAATAATATGGAAGAAGATGGAAAAAAGTGTAAATGGGTTGAGA
AAGTGGCGACTTCTATAAGACATGGATAGATGCAAACATGTAGGGGCGGNTACGGCTCGC
CCAGGACCACTCCATTCCTGAACCTCAGAAGTGGTGTGCTTGTAGAGTGTGCCACCACCGA
GTCCTGTGGGCCTGCCTCAAGTCTCCACGTTGGCCTGCGGCCGTATATTGAGGACC
ACGCCCTGAAACACTTTGAGAGACGGGACACCCGCTAGGCATGGAAGTCCGGGATCTTTA
CGTGTTTTGGTTACCTGTGCAAGGCTTCGTTGTCAATGATAACCCAGAGGNGGCCCTGAA
CTGTAAAGCTCCTTCTGGCGTCCGGGCCAAAACAGACACCCCGTGAAGTGGTGGC
A
    
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Restriction Sites:	NotI-NotI
ACCN:	NM_018561
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_018561.3 , NP_061031.2
RefSeq Size:	3194 bp
RefSeq ORF:	1923 bp
Locus ID:	25862
UniProt ID:	Q70CQ1
Cytogenetics:	6p21.1
Domains:	UCH, zf-UBP
Protein Families:	Protease, Transcription Factors
Gene Summary:	<p>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. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, and it includes alternate 3' exon structure and thus differs in the 3' coding region and 3' UTR, compared to variant 1. The encoded isoform (b) has a distinct C-terminus and is shorter than isoform a.</p>