

Product datasheet for **SC337205**

USP49 (NM_001286554) Human Untagged Clone

Product data:

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|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | USP49 (NM_001286554) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | USP49 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001286554, the custom clone sequence may differ by one or more nucleotides

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ATGGATAGATGCAAACATGTAGGGCGTTACGGCTCGCCAGGACCACTCCATCCTGAACCTCAGAAGT
GGTGCTGCTTAGAGTGTGCCACCACCGAGTCCGTGTGGCCTGCCTCAAGTGTCCCACGTGGCCTGCGG
CCGCTATATTGAGGACCACGCCCTGAAACACTTTGAGGAGACGGGACACCCGCTAGCCATGGAAGTCCGG
GATCTCTACGTGTTCTGTTACCTGTGCAAGGACTACGTGCTCAATGATAACCCAGAGGGGACCTGAAGC
TGCTAAGAAGCTCCCTCCTGGCGGTCCGGGGCCAGAAACAGGACACGCCGGTGAGACGTGGCGGACGCT
GCGGTCCATGGCTTCGGGTGAGGACGTGGTCTGCCGACGCGCTCCTCAGGGACAGCCGAGATGCTC
ACGGCTCTGTGGTACCGGCTCAGCGCTGCTGGCCAGGACGCTGCGGCTGTGGTTCGAGAAGAGCTCCC
GGGGCCAGGCGAAGCTGGAGCAGCGGGCAGGAGGAGCCCTGGAGCGCAAGAAGGAGGAGCGCGGAG
GCGGGCGCGGAGGTGAAACGGCGGCTGCTGGAGGAGCTGGCCAGCACCCCTCCGCGCAAGAGTGCACGG
CTGCTCCTGCACACGCCCGGACGCGGGCCCGGCTGCCTCGCGCCCGCCCTCCCTACCTCACGCA
GAGTGCCCGCCGACACTCAAGTGCCTGCCAGCCGGCCATGGCCCCAGGCGTCACGGGCTGCACAA
CCTGGGCAACACCTGCTACATGAACTCCATCCTCCAGGTGCTCAGCCACCTCCAGAAGTTCGAGAATGT
TTCTCAACCTTGACCCTTCCAAAACGGAACATCTGTTTCCAAAAGCCACCAACGGGAAGACTCAGCTTT
CTGGCAAGCCAACCAACAGCTCGGCCACGGAGCTGTCTTGAGAAATGACAGGGCCGAGGCATGCGAGCG
GGAGGGCTTCTGCTGGAACGGCAGGGCCTCCATTAGTCGGAGTCTGGAGCTCATCCAGAACAAGGAGCCG
AGTTCAAAGCACATTTCCCTCTGCCGTGAACTGCACACCTCTTCCGAGTCATGTGGTCCGGGAAGTGGG
CCCTAGTGTGCGCCTTCGCCATGCTCCACTCAGTGTGGAGCCTGATCCCTGCCTCCGCGGCTACGACCA
ACAGGACGCGCAGGAATTTCTCTGCGGAGCTGCTGCACAAGTGCAGCAGGAACCTGAGTCTGAGGGCACC
ACAGCCGGATCCTCATCCCCTTCTCCAGAGGAAGCTCACAAACAGGTCTTAAAGTGGTGAATACCA
TATTTTCATGGGCAGCTGCTCAGTCAGTCACATGTATATCATGCAATTACAAATCCAATACCATTGAGCC
CTTTTGGGACCTATCCCTGGAATTCCTGAACGCTATCACTGCATAGAAAAGGGTTTGTCCCTTTGAAT
CAAACAGAGTGTCTGCTCACTGAGATGTGGCCAAATTCACAGAGACAGAGGCCCTGGAAGGAGAATCT
ACGCTTGTGACCAGTGTAAACAGCAAACGACGAAAATCCAATCCCAAACCCCTTGTCTGAGTGAAGCTAG
AAAGCAGTTAATGATCTACAGACTACCTCAGGTTCTCCGGCTGCACCTTAAAAGATTGAGTGGTCTGGC
CGTAATCATCGAGAGAAGATTGGGTCCATGTCGTCTTTGACCAGGTATTAACCATGGAACCTTACTGCT
GCAGGGACATGCTCTCCTCTTTGACAAAGAGACCTTTGCCTATGATCTCTCCGAGTGGTCATGCATCA
CGGAAAGGGTTTGGCTCAGGACACTACACAGCCTATTGCTACAACACAGAGGGAGGTTTTTGGGTCCAC
TGCAATGACTCAAAGCTGAATGTATGCAGTGTGCGAGGAAGTGTGCAAAACCCAGGCCTACATCCTTTTT
ACACTCAAAGAACAGTGCAGGGCAATGCAAGAATCTCAGAAACCCATCTCCAAGCTCAGGTGCAGTCCAG
CAACAATGATGAAGGCAGACCACAGACATTTCTGATGA
    
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Restriction Sites: SgfI-MluI

ACCN: NM_001286554

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).

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| 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_001286554.1</u> , <u>NP_001273483.1</u> |
| RefSeq Size: | 8822 bp |
| RefSeq ORF: | 2067 bp |
| Locus ID: | 25862 |
| UniProt ID: | <u>Q70CQ1</u> |
| Cytogenetics: | 6p21.1 |
| 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 (1) represents the longer transcript and encodes the longer isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p> |