

Product datasheet for **SC332445**

USP3 (NM_001256702) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: USP3 (NM_001256702) Human Untagged Clone
Tag: Tag Free
Symbol: USP3
Synonyms: SIH003; UBP
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC332445 representing NM_001256702.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGAGTGTCCACACCTGAGCTCCAGCTGTGCATTGCTCCGGACTCAGCCAAGTCCCCAACGGCTCC
CCGTCGTCCTGGTGTGCAGCGTGTGCCGGTCCAACAAAAGCCCTTGGGTCTGTTTGACTTGTTCAAGT
GTCCACTGTGGAAGTTATCGCTGTGATGATTTTGTGGTTAATGACACCAAGCTGGGACTGGTACAGAAA
GTCAGAGAACACTTACAGAACTGGAAAACCTCAGCTTTCACAGCTGACAGGCATAAGAAAAGAAAACCTT
TTGGAAAACCTCAACACTAAACAGCAAGTTATTAAGTAATGGAAGCACCCTGCCATTTGTGCCACA
GGCCTTCGGAATTTGGGGAACACATGTTTCATGAATGCCATCCTTCAGTCACTCAGTAACATTGAGCAG
TTTTGCTGTTATTTCAAAGAAGTCCCGCGTGGAGTTAAGGAATGGGAAAACAGCAGGAAGGCGGACA
TACCACACCAGGAGCCAAGGGGATAACAATGTGTCTTTGGTAGAAGATTTAGAAAGACTCTGTGCT
TTATGGCAAGGCAGCCAGACTGCATTTAGCCCAGAGTCCTTATTTTATGTTGTTTGAAGATTATGCCA
AACTTTAGGGGCTATCAACAGCAGGACGCCATGAATTCATGCGTACCTTTTGGACCACCTACACTTG
GAATTCAGGGCGGTTTCAACGGTGTTCCTCGCTCAGCAATTCGCAGGAGAATTCTACTCTGTCTGCA
AGTAACAAGTGTGCATAAATGGAGCATCTACTGTTGTACGGCTATATTCGGAGGCATTCTCCAAAAT
GAGGTTAACTGCCTCATATGTGGGACAGAATCTAGAAAGTTTGATCCATTCCTAGACCTTTCATTAGAT
ATTCCAAGTCAGTTCAGAAGTAAGCGCTAAGAATCAAGAAAATGGACCAGTTTGTTCGTTACCGAGAT
TGTCTTCGCAGTTTTACCGACTTAGAAGAAGTGTGATGAGACAGAGTTATATATGTGCCATAAATGCAAA
AAGAAAACAAAAGTCCACAAAAAAGTTTTGGATTCAAAAACACCAAGGTGCTATGCTTACATTTGAAA
AGATTTTATTGGACAGCATATTTAAGAAAATAAGTTGATACATACGTAGAATTTCCACTGAGAGGCCCTA
GACATGAAATGCTACTTACTAGAGCCTGAGAACAGTGGCCCGGAGAGCTGCCTGTATGACCTCGCCGCT
GTGGTGGTGCACCATGTTCCGGGGTGGTCTGGACATTACACAGCATAACGCAACTCACGAAGGCCGC
TGGTTCCACTTCAATGACAGTACTGTAACTGACTGACGAGGAGACTGTGGTGAAGGCCGAAGCCCTAC
ATCCTTTTCTACGTGGAACACCAGGCCAAAGCTGGATCGGATAAACTTAA
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Restriction Sites: SgfI-MluI
ACCN: NM_001256702
Insert Size: 1431 bp



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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_001256702.1</u>
RefSeq Size:	5474 bp
RefSeq ORF:	1431 bp
Locus ID:	9960
UniProt ID:	<u>Q9Y6I4</u>
Cytogenetics:	15q22.31
Protein Families:	Druggable Genome, Protease
MW:	53.7 kDa
Gene Summary:	<p>Hydrolase that deubiquitinates monoubiquitinated target proteins such as histone H2A and H2B. Required for proper progression through S phase and subsequent mitotic entry. May regulate the DNA damage response (DDR) checkpoint through deubiquitination of H2A at DNA damage sites. Associates with the chromatin.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) lacks an exon in the 5' coding region, but maintains the reading frame, compared to variant 1. The encoded isoform (2) is shorter than isoform 1.</p> <p>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>