

Product datasheet for **SC316543**

USP22 (NM_015276) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	USP22 (NM_015276) Human Untagged Clone
Tag:	Tag Free
Symbol:	USP22
Synonyms:	USP3L
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF sequence for NM_015276 edited
 ATGGTGTCCCAGGAGCCGAGGGCCGAGGCCATGGACGCCGAGCTGGCGGTAGCGCCG
 CCGGGTCTCGCACCTGGGAGCTTCAAGGTGGACAACCTGGAAGCAGAACCTGCGGGCC
 ATCTACCAGTGTTCGTGTGGAGCGGCAGGCTGAGGCCCGCAAGCGCAAGGCCAAGTCC
 TGTATCTGCCATGTCTGTGGCGTCCACCTCAACAGGCTGCATTCTGCCTCTACTGTGTC
 TTCTTCGGCTGTTTCACAAAGAAGCATATTCACGAGCATGCGAAGGCGAAGCGGCACAAC
 CTGGCCATTGATCTGATGTATGGAGGCATCTACTGTTTTCTGTGCCAGGACTACATCTAT
 GACAAAGACATGGAAATAATCGCCAAGGAGGAGCAGCGAAAAGCTTGAAAATGCAAGGC
 GTTGGAGAGAAGTTTTCAACTTGGGAACCAACCAACCGGAGCTTGAAGTCTGAAAGCAC
 AACCCGAAAAGGAGAAAGATCACCTCGAACTGCACCATAGGTCTGCGTGGGCTGATCAAC
 CTTGGGAACACATGCTTCATGAACTGCATCGTGCAGGCCCTGACCACACGCCACTTCTG
 CGGGACTTCTTCCTGTCTGACAGGCACCGCTGTGAGATGCAGAGCCCCAGCTCCTGTCTG
 GTCTGTGAGATGTCCTACTGTTTCAGGAGTTTTACTCTGGACACCGTCCCCTCACATC
 CCGTATAAGTTGCTGCACCTGGTGTGGACCCACGCGAGGCACCTAGCAGGCTACGAGCAG
 CAGGACGCCACGAGTTCCTCATCGCGGCCCTGGACGTGCTCCACCGACTGCAAGGT
 GATGACAAATGGGAAGAAGCCAACAACCCCAACCACTGCAACTGCATCATAGACCAGATC
 TTCACAGGCGGGTTGCAGTCAGACGTACCTGCCAAGTCTGCCATGGAGTCTCCACCACC
 ATCGACCCCTTCTGGGACATCAGCTTGGATCTCCCGGCTTCCACCCATTCTGGCCC
 CTGAGCCCAGGGAGCGAGGGCAACGTGGTAAACGGGAAAGCCACGTGTCGGGAACCACC
 ACGCTCACGGACTGCCTGCGACGATTACCAGACCAGAGCACTTGGGCAGCAGCGCCAAG
 ATCAAGTGCAGCGTTGCCATAGCTACCAGGAGTCCACAAAGCAGCTCACTATGAAGAAA
 CTGCCCATCGTAGCCTGTTTTCATCTCAAACGATTTGAACACTCAGCCAAGCTGCGGCGG
 AAGATCACACCGTATGTGTCCTTCCCCTGGAGCTGGACATGACCCTTTCATGGCCTCC
 AGCAAAGAGAGCAGGATGAATGGACAGTACCAGCAGCCACGGACAGTCTCAACAATGAC
 AACAAGTATTCCTGTTTGTGTTAACCATCAAGGGACCTTGAGAGTGGCCACTAC
 ACCAGCTTTATCCGGCAGCACAAGACCAGTGGTTCAAGTGTGACGATGCCATCATCACC
 AAGGCCAGCATCAAGGACGTCCTGGACAGCGAAGGGTACTTGCTGTTCTATCACAAACAG
 TTCCTGGAATACGAGTAG

Restriction Sites: NotI-NotI

ACCN: NM_015276

Insert Size: 5000 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: ORF was fully sequenced and the sequence matches with that of NM_015276.1. One SNP was observed in the ORF, which does not change amino acid.

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_015276.1</u> , <u>NP_056091.1</u>
RefSeq Size:	5220 bp
RefSeq ORF:	1578 bp
Locus ID:	23326
UniProt ID:	<u>Q9UPT9</u>
Cytogenetics:	17p11.2
Protein Families:	Protease
Gene Summary:	Histone deubiquitinating component of the transcription regulatory histone acetylation (HAT) complex SAGA. Catalyzes the deubiquitination of both histones H2A and H2B, thereby acting as a coactivator. Recruited to specific gene promoters by activators such as MYC, where it is required for transcription. Required for nuclear receptor-mediated transactivation and cell cycle progression.[UniProtKB/Swiss-Prot Function]