

Product datasheet for **SC126495**

USP46 (NM_022832) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	USP46 (NM_022832) Human Untagged Clone
Tag:	Tag Free
Symbol:	USP46
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_022832, the custom clone sequence may differ by one or more nucleotides

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ATGACTGTCCGAAACATCGCCTCCATCTGTAATATGGGCACCAATGCCTCTGCTCTGGAAAAAGACATTG
GTCCAGAGCAGTTTCCAATCAATGAACACTATTTCCGGATTGGTCAATTTTGGAAACACATGCTACTGTAA
CTCCGTGCTTCAGGCATTGTACTTCTGCCGTCCATTCGGGAGAATGTGTTGGCATACAAGGCCAGCAA
AAGAAGAAGGAAAACCTTGCTGACGTGCCTGGCGGACCTTTCCACAGCATTGCCACACAGAAGAAGAAGG
TTGGCGTCATCCCACAAAGAAGTTCATTTCAAGGCTGAGAAAAGAGAATGATCTCTTTGATAACTACAT
GCAGCAGGATGCTCATGAATTTTTAAATTTTGGCTAAACACTATTGCCGACATCCTTCAGGAGGAGAAG
AAACAGGAAAAACAAAATGGAAAATTAATAAATGGCAACATGAACGAACCTGCCGAAAAATAAACCAG
AACTCACCTGGGTCCATGAGATTTTTTCAGGGAACGCTTACCAATGAAACTCGATGCTTGAACGTGAAAC
TGTTAGTAGCAAAGATGAAGATTTTTCTTGACCTTTCTGTTGATGTGGAGCAGAATACATCCATTACCCAC
TGTCTAAGAGACTTCAGCAACACAGAAACTGTGTAGTGAACAAAAATATTATTGTGAAACATGCTGCA
GCAAAACAAGAAGCCAGAAAAGGATGAGGGTAAAAAGCTGCCCATGATCTTGGCCCTGCACCTAAAGCG
GTTCAAGTACATGGAGCAGCTGCACAGATACCCAAGCTGTCTTACCGTGTGGTCTTCCCTCTGAAACTC
CGGCTCTCAACACCTCCAGTGTGCAGTGAACCTGGACCGCATGTATGACTTGGTTGCGGTGGTCTGTT
ACTGTGGCAGTGGTCTAATCGTGGCATTATCACTATTGTGAAAAGTACGGCTTCTGGCTTTTGT
TGATGATGACATTGTAGAGAAAATAGATGCTCAAGCTATTGAAGAATTCTATGGCCTGACGTCAGATATA
TCAAAAATTCAGAATCTGGATATATTTTATTCTATCAGTCAAGAGAGTAA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_022832 unedited
 GTAATACGACTTACTATAGGGCGGCCGGAATTCGGCACGAGGCTTTAGACTAATGACTG
 TCCGAAACATCGCTCCATCTGTAAATATGGGCACCAATGCCTCTGCTCTGGAAAAAGACA
 TTGGTCCAGAGCAGTTTCCAATCAATGAACACTATTTTCGGATTGGTCAATTTTGGAAACA
 CATGCTACTGTAACCTCCGTGCTTCAAGCATTGACTTCTGCCGTCCATTCGGGAGAATG
 TGTTGGCATACAAGGCCAGCAAAAAGAAGAAGGAAAACCTGCTGACGTGCCTGGCGGACC
 TTTCCACAGCATTGCCACACAGAAGAAGGTTGGCGTCATCCACCAAGAAGTTCA
 TTTCAAGGCTGAGAAAAGAGAATGATCTCTTTGATAACTACATGCAGCAGGATGCTCATG
 AATTTTTAAATTTTGTAAACACTATTGCGGACATCCTTCAGGAGGAGAAGAAACAGG
 AAAACAAAATGGAAAATTAATAATGGCAACATGAACGAACCTGCGGAAAATAATAAC
 CAGAACTCACCTGNGTCCATGAGATTTTTAGGGAACGCTTACCAATGAAACTCGATGCT
 TGAAGTGTGAACTGTTAGTAGCAAAGATGAAGATTNTCTTGACCTTTCTGTTGATGTGG
 AGCAGAATACATCCATTACCCACTGTCTAAGAGACTTCAGCAACACAGAAACTGTGTA
 GTGAACAAAATATTATTGTGAAACATGCTGCAGCANACAAGAAGCCAGAAAGGATGAN
 GGTAAGGCTGCCATGATCTTGGCCCTGCACTAAAGCGTTCAGTCATGGAGCAGCTGAC
 AGATCACCAGCTGTCTACCGTGGTCTCCTTTGGACTNCGCTCTCACACTCC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_022832 unedited
 GCTATCTATAGTCGAGTTTTTTTTTTTTTTTTTCCATTTTATTCATTTATTTATTTTT
 GCAAAACATTTTAGAGGCAGGGTGTAAACTGATTAATAATTTTACAAGATTGACATTATT
 GCTTAAAGTGCTGAATTGGTTACATTTTAAAAATTAAGGTACAGATTATTTTAAATAA
 AAATAACAATTTTTAGCAACAAAATAATAGGAATGCCACAAAATACAGTAACTATTT
 TGGTTATACAGAAATGGAAGCCAAAAATAATTAATGTAATACTGGAAAAACAGAAATTTA
 ATTAGGCAGAAAAGTAGGAAATAATTTTCCCTGACCCATGCCACTTACATGAGTTCATTA
 CAATAGTCTGATAAATGCCTTGACCATATAATAGCAAAACAAGGCAAAACATTTAGTGC
 ACAATTTTTAATACACGTGAATATACAAAGTTGATCAAAATGCAATGTTGAAAGATAAA
 ATCCATCTGTAATACAGCTACACTCCAATATCTAAAATAAGCCCTAAGCTCCAGTTAGAA
 CATAGATCATTATTAGGCATGCCATGAAATTAAGGGTATCCATGAAAATAAATGCATAG
 GGATCATTCTGACATTNTCCCTATTTTATCTTAAACCCAAATACACCAGGCCATAAAC
 CAAATATGATTGACTTCTATTCAAATAATGCCCTGCTGTGTTGTGCCTCACTCTCTT
 TAAACAGTCCATGTCTATGACCACAGAAGNGNAATTGCCTTAACACATTAGGAACAGA
 TGCCAGCTTTTACAACATTTACNTTTAACACATGATTCTTACCATGCTGGGCCTTACCT
 AGAGCTTAACTAGTAGTAACAATAAGCAATGCCTTTGTTTTTTAAAGGAAACATGAA
 CTATTGTGACCCAACAGTACAAAAACAGAGGCTCTCTTCTGAAAGACCCGGATCTGGCCT
 TGAGAATCGAAAGCTTGCTTCCGACCAAGCTCACTTC

Restriction Sites:

NotI-NotI

ACCN:

NM_022832

Insert Size:

4310 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:	<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_022832.2 , NP_073743.2
RefSeq Size:	3846 bp
RefSeq ORF:	1101 bp
Locus ID:	64854
UniProt ID:	P62068
Cytogenetics:	4q12
Domains:	UCH
Protein Families:	Druggable Genome, Protease
Gene Summary:	<p>Modification of cellular proteins by ubiquitin is an essential regulatory mechanism controlled by the coordinated action of multiple ubiquitin-conjugating and deubiquitinating enzymes. USP46 belongs to a large family of cysteine proteases that function as deubiquitinating enzymes (Quesada et al., 2004 [PubMed 14715245]).[supplied by OMIM, Jun 2009]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (1). 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>