

Product datasheet for **SC125533**

USP16 (NM_006447) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	USP16 (NM_006447) Human Untagged Clone
Tag:	Tag Free
Symbol:	USP16
Synonyms:	UBP-M; UBPM
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 within SC125533 sequence for NM_006447 edited (data generated by NextGen Sequencing)

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ATGGGAAAGAAACGGACAAAGGGAAAACTGTTCCAATCGATGATTCTCTGAACTTTA
GAACCTGTGTGCAGACACATTAGAAAAGGATTGGAACAAGGTAATTTGAAAAAGGCTTTA
GTGAATGTGGAATGGAATATCTGCCAAGACTGTAAGACTGACAATAAAGTGAAAGATAAA
GCTGAAGAAGAAACAGAAGAAAAAGCCTTCAGTTTGGCTGTGTCTTAAATGTGGCCATCAG
GGCTGTGGCAGAAATTCAGGAGCAGCATGCCTTGAAGCACTATCTGACGCCAAGATCT
GAACCTCACTGTCTGGTTCTTAGTTTGGACAACCTGGAGTGTATGGTGTACGTATGTGAT
AATGAGGTCCAGTATTGTAGTTCAAACCAAGTTGGGTCAAGTGGTTGATTATGTCAGAAAA
CAAGCCAGCATTACAACCTCAAAGCCAGCAGAGAAAGATAATGGAAATATTGAACTTGAA
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AGAATACTGTAA

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Clone variation with respect to NM_006447.2

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_006447 unedited
 TTTTGGTATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCGGAGCTGGCTGC
 CCAGCCCAAAGGCCCATGAGGGGATGCAGTTATGGGCTCTGTCCGCGTGGATTGTTATTT
 TGTGTCAGTAAGTAATCCATAAAGTGCCAAACATGGGAAAGAAACGGACAAAGGGAAAAAC
 TGTTCCAATCGATGATTCCTCTGAAACTTTAGAACCTGTGTGCAGACACATTAGAAAAGG
 ATTGGAACAAGGTAATTTGAAAAAGGCTTTAGTGAATGTGGAATGGAATATCTGCCAAGA
 CTGTAAGACTGACAATAAAGTGAAAGATAAAGCTGAAGAAGAAACAGAAGAAAAGCCTTC
 AGTTTGGCTGTGCTTAAATGTGGCCATCAGGGCTGTGGCAGAAATTCTCAGGAGCAGCA
 TGCCCTGAAGCACTATCTGACGCCAAGATCTGAACCTCACTGTCTGGTCTTAGTTTGG
 CAACTGGAGTGTATGGTGTACGTATGTGATAATGAGGTCAGTATTGTAGTTCAAACCA
 GTTGGGTCAAGTGGTTGATTATGTCAGAAAAACAAGCCAGCATTACAACCTCAAAGCCAGC
 AGAGAAAGATAATGAAAATATTGAACTTAAAAATAAAAAATTAGAAAAAGAGAGTAAGAA
 TGAACAAGAGAGAGAAAAAGGAAAAACATGGCTAAAGAGAATCTCCCATGAATTCTCC
 TTGCCAAATAACCGTAAAGGACTCAGTAATTTGGGAAACACATGTTTCTCAATGCAGT
 TATGCAGAACTTGTCAAAACACCAGTGCTTAGAGAACTACTAANAGAAGTAAAAATGTC
 TGGAAACAATTGTAANAATGNACCACCTGATTTGGCATTACAGA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_006447 unedited
 GCCGCAATCTAAAGTCGAGTTTTTTTTTTTTTTTTTTTTAGGGTAAGTCAGTTTATTGA
 TGTGTTGTGATCCATCACCCAGATATATTAACACAAAGTACTTAAGTAATTCAGGATTT
 CCTTTCCAGAAACAAAGCAGGAATAAAAACCACTATGACAATATAAAACCTTTGTACATT
 TTTAGGTATTTTCCCTTCAATATTTAAATAAACATGATTTCTTCTGGCATGATTTAAT
 GTTAAGTGAACATGATTTAATTAAGTCTTTTTTTATCGTTATTTAGCCATTATAAAAGC
 CATAAATGTGTTTCCAGAAAAAGTGCTTTTGATATTATTACAGTATTCTCTCATAAAATA
 GGAGGTACGCTTGTGAGTTTAGTACTTTAGTTGTAGGCACAGCTTGCACATGTGTGTCGC
 TGATGTGAAACCACTGCCCTTTTGATTCATTTCAAATCTTGTGGAATATCACCGTGAA
 GAACAAGATTAGAGAGATGACTATTTGCGGTTCTTGCCCTGGCATAGGCAGTGAATGCC
 CCGACCTCATAGTACCACTGTGTTCAACAACTCCATATAAGGAATAGAGTACCCTTGAT
 TTTCTTCTGCAACATTTACATTTAAGGGTGCAAAAAGGAGCCAAATCTAAGATTTCCG
 GAAACTTTATGTGTTTGTAACTTTGCGTAGGTTAAAACCAGCCTGCTGAAATCTCTTTA
 ATGAAGAGCTAGAACAGGGAGGAGCAGAGAAAATAGCATCTGCTTTTTGGCATTGGTGTA
 ACATGNCTNCTTTNCACTTTTATATTTGCCTTTTGTCCATTACACTGTCTCCGTGTGCAT
 ACTTCACAAAGCAGTTTATTCGCATCTCGAAGTTCTCATTACGGGGGACTGATNTAACAT
 GTTGGGATGACACTATCAGTATGAAAACCTCCTGTTGCAGAGTCAGAAGCAGNTTTTGG
 CTCATTTACACTTACACCT

Restriction Sites:

NotI-NotI

ACCN:

NM_006447

Insert Size:

2770 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_006447.2 , NP_006438.1
RefSeq Size:	2989 bp
RefSeq ORF:	2472 bp
Locus ID:	10600
UniProt ID:	Q9Y5T5
Cytogenetics:	21q21.3
Domains:	UCH, zf-UBP
Protein Families:	Protease
Gene Summary:	<p>This gene encodes a deubiquitinating enzyme that is phosphorylated at the onset of mitosis and then dephosphorylated at the metaphase/anaphase transition. It can deubiquitinate H2A, one of two major ubiquitinated proteins of chromatin, in vitro and a mutant form of the protein was shown to block cell division. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (a).</p>