

## Product datasheet for SC110691

### USP36 (NM\_025090) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	USP36 (NM_025090) Human Untagged Clone
Tag:	Tag Free
Symbol:	USP36
Synonyms:	DUB1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene ORF sequence for NM\_025090 edited  
GGCACGAGGCGCTGCTGGGCCGCGGGCCGAAGGAGTCTCCAGGGCTGCGTAGGCTTGTG  
GCGCGCCCGCGGAGAGGGCCGGGCTCTGACGCCGCTCTGCGGCTTCGGTGTGTTGAACAG  
GCCACAGTCCAGGAGCGCTTACATTTCAGGAGCTCCGCGTAGCACCTGCCAACCAAACACT  
AGCCCTCCGTTAAGATCCTGTTCCATGCCGAGTAGGACAGCAGGCCCAAGTCTGCACA  
TCCAGTGATGCACCATGCCAATAGTGGATAAGTTGAAGGAGGCCCTGAAACCCGCGCCG  
AAGGACTCGGCTGATGATGGAGAAGTGGGAAGCTTCTTGCCCTCTGCCAAGAAGGTC  
CTTTTACAGAAAATCGAGTTCGAGCCAGCCAGCAAGAGCTTCTCCTACCAGCTGGAGGCC  
TTAAAGAGCAAATATGTGTTGCTCAACCCAAAACAGAGGGAGCTAGTCGCCACAAGAGT  
GGAGATGACCCACCGCCAGGAGACAGGGCAGTGAGCACACGTATGAGAGCTGTGGTGAC  
GGAGTCCCAGCCCGCAGAAAAGTCTTTTCCCCACGGAGCGACTGTCTCTGAGGTGGGAG  
CGGGTCTTCCGCGTGGGCGCAGGACTCCACAACCTTGGCAACACCTGCTTCTCAATGCC  
ACCATCCAGTGCTTGACCTACACACCACCTTAGCCAACCTACCTGCTCTCCAAGGAGCAT  
GCTCGCAGCTGCCACCAGGGAAGCTTCTGCATGCTGTGTGTCATGCAGAACACATTGTC  
CAGGCCTTCGCCAACAGCGGCAACGCCATCAAGCCCGTCTCCTTCATCCGAGACCTGAAA  
AAGATCGCCCGACACTTCCGCTTTGGGAACCAGGAGGACGCGCATGAGTTCCTGCGGTAC  
ACCATCGACGCCATGCAGAAAGCCTGCCTGAATGGCTGTGCCAAGTTGGATCGTCAAACG  
CAGGCTACTACCTTGGTCCATCAAATTTTTGGAGGGTATCTCAGATCACGCGTGAAGTGC  
TCCGTGTGCAAGAGCGTCTCGGACACCTACGACCCCTACTTGGACATCGCGCTGGAGATC  
CGGCAAGCTGCGAATATTGTGCGTCTGGAACCTTTTGTGAAAGCAGATGTCCTGAGT  
GGAGAGAATGCCTACATGTGTGCTAAATGCAAGAAGAAGTTCCAGCCAGCAAGCGCTTC  
ACCATCCACAGAACATCCAACGTCTTAACCCTTTCCCTCAAGCGCTTTGCCAACTTCAGC  
GGGGGGAAGATCACCAAGGATGTAGGCTATCCGGAATTCCTCAACATACGTCCGTATATG  
TCCCAGAATAATGGTGATCCTGTCATGTATGGACTCTATGCTGCTGCTGGTGCCTCGGGC  
TACAGTGCCATGCCGGGCACTATTACTGCTACGTGAAGGCAAGCAATGGACAGTGGTAC  
CAGATGAATGATTCCTTGGTCCATTCCAGCAACGTCAAGGTGGTTCTGAACCAGCAGGCC  
TACGTGCTGTTCTATCTGCGAATTCAGGCTCTAAGAAAAGTCCCAGGGGCTCATCTCC



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AGGACAGGCTCCTCCTCCCTTCCCGGCCGCCGAGTGTGATTCCAGATCACTCCAAGAAG  
AACATCGGCAATGGGATTATTTCTCCCACTGACTGGAAAGCGACAAGACTCTGGGACG  
ATGAAGAAGCCGCACACCACTGAAGAGATTGGTGTGCCATATCCAGGAATGGCTCCACC  
CTGGGCCCTGAAGTCCCAGAACGGCTGCATTCTCCAAAGCTGCCCTCGGGGTCCCCTTCC  
CCCAAACCTCTCCAGACACCCACACATGCCAACCATCTAGACGACCTGGAAAGAAG  
GTGAAGAAGCCAGCTCTCCACAGCACTTTTCCCCAGAAGTCTCAGGGGCTGCCTGGG  
ACCAGCAACTCGAATAGCAGCAGATCTGGGAGCCAAAGGCAGGGCTCTGGGACAGCAGG  
GATGTTGTCTCTACCTCACCTAAGCTCCTGGCTACAGCCACTGCCAACGGGCATGGG  
CTGAAGGGGAACGACGAGAGCGCTGGCCTCGACAGGAGGGCTCCAGCAGCTCCAGCCCA  
GAGCACTCGGCCAGCAGCGACTCCACCAAGGCCCCAGACCCCAAGGAGTGGAGCGGCC  
CATCTCTGCGATTCTCAGGAAACGAACTGTTCCACCGTGGCCACTCCAAAACGCCGCCA  
AGTGGAGCAGATTCTAAGACGGTGAAGCTGAAGTCCCCTGCTCCTGAGCAACACCACCT  
GAGCCTGCAAGCACCATGTCTCTCCACCAGCCAAAAAAGTGGCCCTTTCTGCCAAGAAG  
ACCACCAAGTTTTTATTTATGTCGATAACTGCAGGCCAGCACCTGTGGAGGGCGACCGG  
CAATGACCTCCGTCCACCTCCCCCTCACCATCCTCCGACCTCACCCACCCCATGAAAAC  
CTCTACCCCGTGGTCCACTTGGCCCGTCCATAGAGCCAGGGCTGTGTCACTGC  
TCCCAATCATCCAGCCGCTGCAACCCCTTCCAGCCCAACCCACATTGCTGTCCAG  
TACCCCAAGCCCAAGGACGTGAGAACCACGGAGCTGCTCCTCATCTCGACGGCGCT  
GCCTCAGGTCAACGAGGACCTTGTGTCCCTTCCACACAGTGGCCAGAGGCCAGTGAGCC  
CCCCGGAGCCCTCTGAGAAGAGGAAAAGACCTTTGTGGGAGAGCCGAGAGGCTGGG  
CTCAGAGACGTGCCTCCACAGCACATCAGGGAGGCCACTGCGGCTCCCCACGGGAAGAG  
GAAGAGGAAGAAGAAGAGCGCCCGGAGGACACAGCTGCCAGCGCCCTGCAGGAGGGGCA  
GACACAGAGACAGCTGGGAGCCCATGTACAGGAGGGAGGGCCAGGCACAGCTGCCCGC  
TGTGAGACGGCAGGAAGATGGCACACAGCCACAGGTGAATGGCCAGCAGGTGGGATGTGT  
TACGGACGGCCACCACGCGAGCAGCAGGAAGCGGAGGAGAAAGGAGCAGAAGGTCTTGG  
TGAAGAAGGGCGCTGCACCAGGACCCACTTCGGCACAGCTGCTCTCCATGGGTGATGG  
TGATCCAGAGGCCATGGAAGAGTCTCCAAGGAAAAAAAAAAAAAAAAAACTCGACTCTAG  
ATTGCGGCCGCGGTCA

**5' Read Nucleotide  
Sequence:**

>OriGene 5' read for NM\_025090 unedited  
GAGGCGCTGCTGGGCCGCGGGCCGAAGNAGTCTCCAGGGCTGCGTAGGCTTGTGGCGCG  
CCCGCGGAGAGGCCGGGGCTCTGACGCCGCTCTGCGGCTTTCGGTGTGTTGAACAGGCCAC  
AGTCCAGGAGCGTTACATTTCAGGAGCTCCGCGTAGCACCTGCCAACCAAACTCAGCCC  
TCCGTTAAGATCCTGGTTCCATGCCGAGTAGGACAGCAGGCCCAAGTCTGCACATCCCA  
GTGATGCACCATGCCAATAGTGGATAAGTTGAAGGAGGCCCTGAAACCCGGCCGAAGGA  
CTCGGCTGATGATGGAGAACTGGGAAGCTTCTTGCTCCTCTGCCAAGAAGTCTTTTT  
ACAGAAAATCGAGTTCGAGCCAGCCAGCAAGAGCTTCTCCTACCAGCTGGAGGCTTAAA  
GAGCAAAATATGTGTTGCTCAACCCAAAACAGAGGGAGCTAGTCGCCACAAGAGTGGAGA  
TGACCCACCGGCCAGGAGACAGGGCAGTGAGCACACGTATGAGAGCTGTGGTGACGGAGT  
CCCAGCCCGCAGAAAGTCTTTTCCCCACGGAGCGACTGTCTCTGAGGTGGGAGCGGGT  
CTTCCGCTGGGCGCAGGACTCCACAACCTTGGCAACACCTGCTTTCTCAATGCCACCAT  
CCAGTGCTTGACCTACACACCACCTCTAGCCAACCTGCTCTCCAAGGAGCATGCTCG  
CAGCTGCCACCAGGAAGCTTCTGCATGCTGNGTGTATGCANAANCACATTGTCCAGGC  
CTTCGCCAACAGCGGCAACGCCATCAAGCCCGTCTTCTTAT

<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_025090 unedited TCTTCNTTGNCCGCGCCGCAATCTANGATCGAGTTTTTTTTTTTTTTTTTCTTGAG ACTCTTCATGGCCTCTGGAACACCATCACCCATGGGAAGAGCAGCTGTGCCGAAGTGGG TCCTGGTGCAGGCCGCTTCTTACCAAGACCTTCTGCTCCTTCTCCTCCGCTTCTG CTGCTCGCGTGGTGGCCGTCGTAACACATCCCACCTGCTGGCATTACCTGTGGCTGT GTGCCATCTTCTGCCGTCTGACAGCGGCAGCTGTGCCTGGCCCTCCCTCCTGTACAT ANGGGNCTCCCAGGCTGTCTGTGTCTGCCCTCCTGCAGGGCGCTGGCAGCTGTGTC CCTCCGGGCGGCCTTTTTTTTTTTTTCCCTTNNCCCTTTTTCCCGGGGGGAAGCCCC CCCCCCCCAAGAGGGGGCCCCCCCCCCCCCTCENNNTCCCTTCCCCCCCCNTTCCC CCCCCTTCCCCCTCCCCCCCCCTCCCTCCCCCCCCCCCCCTCCTCCCCCCCCCCCCCTC CTCCTCCCCCCCCCTCCTCCCCCTTCCCCCCCCCTCTCTACCCCTCTCTCCTCCCCCTC CTCCCCCCCCCTCCCCCTCCTCTCCCCCCCCCCCCACTCCCCCTCTCCCCCCCCCTT TCTTCCCACCTCCCATCCCCACCTCCCTCCCTTTAACTTCCCACCTCTCTCCT CCCCCCCCCTCCTCCTCCTTCCCCCCCCCCCCCCCCCTTACCTCCTTCCCCCCAC CCCCCTCCCTCCTCTCCTCCCCCTTCCCTCTCTCCCTCCCTCCCCCCCCCTCCCCA TTACCCCACTACCCCCA
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_025090
<b>Insert Size:</b>	3420 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_025090.1</a> , <a href="#">NP_079366.1</a>
<b>RefSeq Size:</b>	3760 bp
<b>RefSeq ORF:</b>	1647 bp
<b>Locus ID:</b>	57602
<b>Cytogenetics:</b>	17q25.3
<b>Domains:</b>	UCH
<b>Protein Families:</b>	Druggable Genome, Protease

**Gene Summary:**

This gene encodes a member of the peptidase C19 or ubiquitin-specific protease family of cysteine proteases. Members of this family remove ubiquitin molecules from polyubiquitinated proteins. The encoded protein may deubiquitinate and stabilize the transcription factor c-Myc, also known as MYC, an important oncoprotein known to be upregulated in most human cancers. The encoded protease may also regulate the activation of autophagy. This gene exhibits elevated expression in some breast and lung cancers. [provided by RefSeq, Mar 2016]