

## Product datasheet for **SC123517**

### USP6 (BC029495) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	USP6 (BC029495) Human Untagged Clone
Tag:	Tag Free
Symbol:	USP6
Synonyms:	HRP1; Tre-2; TRE2; TRE17; TRESMCR; USP6-short
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:**

>OriGene sequence for BC029495 edited  
 GAGTTCTACGGCAGTTACACACACGCAGTGGTATTACAAAGCGGTTTTGTGGACTCAAAG  
 GTTTTCTCCCTGAGAGGCATAACCCAGGCCAGCTGATTCATCAGAATCAGGAACTGGGC  
 ATCTCTGTGGCCCTGAACATCCCAGGAGCCGATCGTACAGAGACCTCTGGTGCCTGACC  
 GCAGTTACATCCACATCCCTGGAATAGACCATCACAGGCTCTTCACCCTGGCAGGTGG  
 ACACCATTCAACTGCCGGGCAGGATGGACATGGTAGAGAATGCAGATAGTTTGCAGGC  
 ACAGGAGCGGAAGGACATACTTATGAAGTATGACAAGGGACACCGAGCTGGGCTGCCAGA  
 GGACAAGGGGCTGAGCCGTTGGAATCAACAGCAGCATTGATCGTTTTGGCATTTTGCA  
 GTCTGCCCTCCTGGGAGTCAGAGCCACAGGAAGGCCCTTGCTCCTCCCTTCCCTGTGCC  
 TTCTCCCGGGCTGAGCCCTGAGCTGGATAGGGACAGAGCCAGTCTTTCTGGGGTCCGGC  
 TCCAGGCTTGGGCGGCTCCAGGCCCTGTGCACGTCTCAGCTCTGCCTGGGTTGCCTTA  
 CAGTGAGACGGAGCTGCCTCTGTGACTGCACGGGAGGCGAAGAAAATTCGGCGGGAGAT  
 GACACGAACGAGCAAGTGGATGGAAATGCTGGGAGAATGGGAGACATAAAGCACAGTAG  
 CAAACTCATAGATCGAGTGTACAAGGGAATCCCATGAACATCCGGGGCCCGGTGTGGTC  
 AGTCTCTGAACATTCAGGAAATCAAGTTGAAAAACCCCGGAAGATACCAGATCATGAA  
 GGAGAGGGGCAAGAGGTATCTGAACACATCCACCACATCGACCTGGACGTGAGGACGAC  
 TCTCCGGAACCATGTCTTCTTAGGGATCGATATGGAGCCAAGTAAGCCTACGGGAGCCA  
 CACAGTCCCAGCAGAGATGGGGTGAACGAGAGGGATGGGGACTTCCCGGAGCAGAAGCC  
 AGGGTCAACCCAGGAGGGATGACAGAGCTGCCAAGAGCTCTCCTGGCCAGGGAGCAGCCG  
 GCACCATGAACCGAGCACCTCCCTGGTTCGAAGCCCTGGGCCAGGCTGGAACATGTGGGG  
 CCAGAACCAGGAGGATCCTGAGGAGACAGAAAACAGCAAAGAAAATCACACGCAATGGT  
 GAAAGGTGCTCTCCCTGACCCACGGAGACCCATGGTAGGACCCACAGGAGGTGGCAGGA  
 TGGAGGGCCCATGAGCCTCCCCAGGCAACACAGCACCAAAATGCTGGGAGAATTAGGGGTC  
 CTGAAAACGTGTATCCAGGTCTGCTGGGAACATGACATGGCACAGCCACATTGGCAGCCA  
 GTTGGGACGTGGCTCACAAAGCTCAGTGGACTGAACCACACATCCCATGGTGTACAG  
 ATATTGAACCACTGATTTGAAAACGTGACATCCACATGAAACCTGCATGCCAGGTTCACT  
 GCTTGATTCCTCATCACTCACACATGGAGCCTTCGGGGATGGCCTTCAACACGGGAATGG  
 GGAGAGACAGGCTGGTCTCCCTCAAACGGAAGACCCAGTGAGAAAAGGGAACGAGCCA  
 GTGATGCCTGCACGAACGTGGGTGGATCCTAGATGCATTTTGTAAAGGAAAGAAGCCAG  
 ACCCAATAAGCTACCATAGTAGGATTCCCATTCCTAGGCCATTCTGAAAAGGCCAAACC  
 ATAGGGACTGAGCAGCAGTCTGGGTGGCCAGGGGCTGACGGATCGGGGAGAGGCTGGGTG  
 CATAGGGGAAACCTGGAGATTTGGAAGATGATGGAGTCCCTCCAGGAGGGGCTGGAGCG  
 GTGGCCGGGAGACTGCACATTGTTTGAACCATGGAGGAACTGTGCACCCAAAGACTGA  
 ACTGGTGTGTGCAAAAAAAAAAAAAAAAAA

**5' Read Nucleotide Sequence:**

>OriGene 5' read for BC029495 unedited  
 CGTCAAAATTTGTATACGACTCATATAGCGCGCCGATAACTTCGTATAGCATAACATTAT  
 ACGAAGTTATGGATCAGGCCAAATCGGCCGAGCTCGAATTCGTGAGAGCGGGAGTTCTA  
 CGGCAGTTACACACACGCAGTGGTATTCAAGCGGTTTTGTGGACTCAAAGTTTTCTC  
 CCTGAGAGGCATAACCCAGGCCAGCTGATTCATCAGAATCAGGAACTGGGCATCTCTGT  
 GGCCCTGAACATCCCAGGAGCCGATCGTACAGAGACCTCTGGTGCCTGACCGCAGTTCA  
 CATCCACATCCCTGGAATAGACCATCACAGGCTCTTCACCCTTGGCAGGTGGACACCATT  
 CAACCTGCCGGGCAGGATGGACATGGTAGAGAATGCAGATAGTTTGCAGGCACAGGAGC  
 GGAAGGACATACTTATGAAGTATGACAAGGGACACCGAGCTGGGCTGCCAGAGGACAAGG  
 GGCTGAGCCCGTTGGAATCAACAGCAGCATTGATCGTTTTGGCATTTCAGCTCTGCC  
 CCTCTGGGAGTCAGAGCCACAGGAAGGCCCTTGCTCCTCCCTTCCCTGTGCCTTCTCCCG  
 GGCTGAGCCCTGAGCTGGATAGGGACAGAGCCAGTCTTTCTGGGGTCCGGGCTCCAGGC  
 TTGGGCGGCTCCAGGCCCTGTGCACGTCTCAGCTCTGCCTGGGTTGCCTTACAGTGAGA  
 CGGAGCTGCCTCTGTGACTGCACGGNAGGCGAAGAAAATTCGGCGGNAGATGACACGAA  
 CGAAGCAGTGGATGGAATGCTGGGAGAATGGGAGGAATATTAGCCAGTAGCAAACCTCA  
 TAGATCGAGTGTACAAGGGAATCCCAATGACATCCGGGGCCCGGTGTGGTCAATCCCTCT  
 GAACATCAGGAAATCAGTTTAAA

<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	BC029495
<b>Insert Size:</b>	1950 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="#">BC029495.1</a>
<b>RefSeq Size:</b>	1950 bp
<b>Locus ID:</b>	9098
<b>Cytogenetics:</b>	17p13.2
<b>Protein Families:</b>	Druggable Genome, Protease
<b>Gene Summary:</b>	Deubiquitinase with an ATP-independent isopeptidase activity, cleaving at the C-terminus of the ubiquitin moiety. Catalyzes its own deubiquitination. In vitro, isoform 2, but not isoform 3, shows deubiquitinating activity. Promotes plasma membrane localization of ARF6 and selectively regulates ARF6-dependent endocytic protein trafficking. Is able to initiate tumorigenesis by inducing the production of matrix metalloproteinases following NF-kappa-B activation.[UniProtKB/Swiss-Prot Function]