

## Product datasheet for **SC124081**

### USP29 (NM\_020903) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	USP29 (NM_020903) Human Untagged Clone
Tag:	Tag Free
Symbol:	USP29
Synonyms:	HOM-TES-84/86
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_020903, the custom clone sequence may differ by one or more nucleotides

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ATGATATCTCTAAAGGTATGTGGATTTCATCCAAATTTGGAGCCAGAAGACTGGGATGACTAAGCTGAAAG
AAGCTCTCATTGAAACAGTGCAAAGACAAAAGGAAATTAAGCTGGTGGTCACTTTCAAATCTGGAAAATT
TATAAGAATTTTTACAGCTGAGCAACAACATTAGAAGTGTGGTCTTAGACATTGTAAAAAAGACAAAGT
CACCTGCGTTTTAACTTTGAAAAACAACGTGTTCTTGTTTATTGACAAATTATCCTACAGAGATGCTAAAC
AGTTGAATATGTTCTGGACATAATCCACCAAAAACAAATCTCAGCAACCCATGAAATCTGATGATGATTG
GAGTGTGTTTGAAGCAGGAATATGCTGAAGGAAATTGACAAAACCTTCATTTTACAGCATTGTGAACAAG
CCAAGTTATCAGAAGATGCCTTTGTTTATGTCAAATCACCAACACATGTGAAAAAGGGGATATTAGAAA
ATCAAGGTGGGAAGGGGCAAAACACACTATCATCTGATGTACAGACAAATGAGGACATTCTGAAGGAAGA
TAACCTGTACCAAAACAAGAAATATAAGACAGATTCTTGAAATATATACAAAGCAATAGGAAGAACCCA
TCAAGTTTAGAGGATTTAGAAAAAGATAGAGATTTGAAACTCGGGCCTTCATTCAATACCAACTGTAATG
GAAATCCTAACCTAGATGAGACTGTTCTTGCAACCCAGACTCTCAATGCCAAAAATGGTTTGACATCTCC
ATTGGAACCAGAGCACAGCCAGGGTGACCCAAGATGCAACAAAGCCAGGTGCCTCTTGACTCTCATTCA
CAGCAACTGCAGCAGGGTTCCCAATTTGGGAAACACCTGTTACATGAATGCAGTTTTACAATCGCTAT
TTGCAATTCATCTTTGCTGATGACTTACTCAAGGTGTCCCATGGGAATATATCCCTTTGAGGC
TCTTATTATGACCTTGACCCAGCTGCTTGTCTTGAAGATTTCTGTAGTACAAAGATCAAGAGAGAATTA
CTTGGGAATGTTAAAAAGTCATTTAGCAGTTGCAGAAATATTTCTGGCAACATGCAGAAATGATGCTC
ATGAGTTTTAGTCAAGTGTGTTAGACCAGCTGAAAGAAGCATGGAAAAATTAATGCCACTTTGAATAC
TGGGAAAGAATGTGGGGATGAAAATTCATCTCCACAAATGCATGTTGGTAGTGCTGCCACCAAGTGT
GTTTGCCTGTTGTTGCTAATTTTGAAGTTGAATTGCAGCTCTCCCTTATTTGTAAGATTTGTTGGGCTG
CTGTTCTCAAGGTAGAACCCTAATAATTATCTCTCCATCAACCTGCACCAAGAAACAAAACCACTTCTTT
GTCCATTCAGAATCTTTAGATCTTTCTTTAAAGAAGAAGAGCTTGAATATAACTGTCAGATGTGTAAG
CAGAAGAGTTGTGTTGCAAGGCATACATTTAGTAGGCTCTCCAGGGTCTTATCATTATCTGAAACGCT
ATAGCTTCAACAATGCTTGGTTGCTGGTGAAGAATAACGAGCAAGTTTATATCCCAAATCTTTAAGTTT
ATCTTCTTATTGCAATGAAAGCACCAAACCACTCTTCCCTTGAGCAGTAGTGCACCTGTTGGGAAATGT
GAAGTCTGGAAGTCTCTCAGGAGATGATTTCTGAGATCAACAGCCATTGACACCATCAATGAAGCTGA
CCTCAGAATCCAGTGATCCCTGGTCTACCCGTTGAACCAGACAAGAATGCCGACCTACAAGATTCCA
GAGAGACTGTGGAGATGCAAGCCAAGAGCAGCATCAGAGAGACCTGGAAAATGGCTCTGCACTAGAGTCA
GAATTGGTCCACTTTAGAGATAGGGCAATCGGTGAAAAGGAGCTTCCAGTGGCTGACTCACTGATGGACC
AGGGAGACATTTCTTCTCTGTGATGTATGAAGATGGAGGGAAGCTGATCAGCAGCCAGACACAAGGCT
TGTGAGGTTTCATCTTCAAGAGGTGCCTCAACATCCAGAATTCAGAAGTATGAGAAAACCAATACATTC
GTAGAGTTCAATTTGACAGTGTCACTGAGTCCACCAATGGCTTTTATGACTGTAAGAAAAACAGGATTC
CAGAAGGATCTCAAGGAATGGCTGAACAGCTCCAGCAGTGTATTGAGGAGAGCATCATAGATGAATTTCT
TCAGCAGGCACCACCTCCAGGTGTAGGAAGCTGGATGCCAGGAACATACAGAAGAGACCCTCAATCAG
TCTACAGAATTAAGACTTCAAAAGGCTGACCTGAATCACCTTGGGCACTGGGTTCTGACAACCCAGGAA
ACAAAAACATTTTAGATGCAGAGAACAAGAGGTGAAGCCAAGGAACTACAAGAAACGTGAAGATGGG
GGATCCTCTCCAGGCCTACAGACTCATCAGTGTGTGTCAGCCATATCGGGAGCTCCCAAAATTCAGGCCAT
TACATCAGCGATGTGATGACTTTCAGAAGCAGGCCTGGTTCACATACAACGATCTATGTGTATCAGAAA
TCTCAGAGACCAAAATGCAGGAGGCGAGGCTTCACTCTGGGTATATCTTCTTTTACATGCACAATGGGAT
TTTTGAGGAGCTGTTAAGAAAAGCAGAGAACTCTCGGCTACCTAGCACACAGGCAGGGGTGATCCCTCAG
GGGAATACGAAGGTGACTCTTTGTACAGACCTGCTTGA
    
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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_020903 unedited  
 NNNNNNNNGGTAGCGTTCGTTATTGTCATACAACACTCACTATAGGCGGCCGCGNAATTCGC  
 ACGAGCTGGCCCAGGCACCACGCGACTCTAAGCGCGCCCAAGCGACCCTCTGCGCAAAC  
 ACCCCCGGGGACGACGTACCCGTGAGGCGCTATGGAGTCTAATCCAGGCACTTTGGAAG  
 GCTGAGGCTGGAGGATCGATTGAGGCCAGGAGTTGGGACCACCCTGGGCAACATAGCAA  
 GATCTCATTCTGAAAAAAGAATTATCATCCACTACCCAGAACAGCTCTCCAAACTCCG  
 TGGCAGTCAGAGCTCTGCCTGCAGTGTGACCATGGACAGCTCTCCAAAGCTTAAACTTCA  
 GTAAATTGACTCAAGTTTCTTCGGANAGAAGTGTACATAAAGAAAGGATGATATCTCTA  
 AAGGTATGTGGATTATCCAAATTTNGAGCCAGAAGACTGGGATGACTAAGCTGAAAGAA  
 GCTCTCATTGAACAGTGCAAAGACAAAAGGAAAAATAAACTGGTGGTCACTTTCAAATCTG  
 GAAAAATTTATTAGAATTTTTAGCTGAGCAACAACATTAGAAGTTGTGGTCTTAGACTT  
 TGGTAAAAAAGACAAAGTCCCCTGGCTTTTAACTTTGGAAAAACAACCTGGTTCCTGGGT  
 ATTTGCCAAATTTCTCCGGAGATGCTTAAAAAGTTTGAATTTGTTCCCGGGGCATTAT  
 CCCCCCAAAAAAATTCTACCACCCCTGGGAAACCTGAGAAGAATTGGAATGTGGTTTT  
 AAAAACCCGAAATATCTCAAAGGAAAAATTTCCAAACTTTCTTTTTTTCAACTTTTTTA  
 AAAAGCCCGTTTTTTCCAAAAAGCCCTTTTTTTTTGTAAAAACCCCCACCC

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_020903 unedited  
 CCTGCGTGGCAACTTCCAGGCCAGGAGAGGCACTGGGGAGGGGTACAGGGATGCCACCC  
 GGGATCTGTTCCAGGAAACAGCTATGACCGCGGCCGAATCTAGAGTCGAGTTTTTTTTTT  
 TTTTTTTTTTAATGAAAATCGTTTATATAACATAAGCAATCCATATCAACAGTAGCAAAA  
 TACACCAAGATACTCCACACATTACCAGTGTCTTCAAACCTTTCATGAGCACTAGAACT  
 CCATCTGATTGCTGGCTCACACCTCCTGTTTCTGCATCAGTTGGTCTAGAGAGTGACCCA  
 AGAATTTGCATTTCTAATCAGTTCCTAGCTGTTGCTGTTGCTGGTTGAAGAAACAACATTT  
 TGAAAACCACTGTCAAACGTGAAGAGCACCATTCTAATCTTGCAGGGAAAAATATGCATA  
 TGCGCCTGAGTCTGGGATCTAGGTGTCTGAAGCAGTTAAATAGATATTTCCCAAAAAT  
 AAGTGTTTTTTATTGAGATTTTATCCTGAGATACTTGTTCCTTCTGAGTGAAGTAC  
 AGGATTCTTTTGAAGGATGAAGTACAGGATTCTTTGCCAGGGTTAATGAGGGCCAA  
 TGAGTCTGTCCAGCAGTCTGTACAAAGAGTACCTTCTTATCCNCTGNAGGATCACC  
 CTTGTGTGTGCTAGGTAGCCAGAAGTCTCTGCTTTTCTTACAAGCTCCTCAAATCC  
 ATTGTGCTGGTAAAGAAGATATCCCGATTGAAGCCTC

**Restriction Sites:**

Please inquire

**ACCN:**

NM\_020903

**Insert Size:**

3100 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](mailto: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](#)

<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>	<u><a href="#">NM_020903.2</a></u> , <u><a href="#">NP_065954.1</a></u>
<b>RefSeq Size:</b>	3607 bp
<b>RefSeq ORF:</b>	2769 bp
<b>Locus ID:</b>	57663
<b>UniProt ID:</b>	<u><a href="#">Q9HBJ7</a></u>
<b>Cytogenetics:</b>	19q13.43
<b>Protein Families:</b>	Protease