

## Product datasheet for **SC125494**

### USP30 (NM\_032663) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	USP30 (NM_032663) Human Untagged Clone
Tag:	Tag Free
Symbol:	USP30
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**Fully Sequenced ORF:**

```
>OriGene ORF sequence for NM_032663 edited
CGGCCGCGAATTCGCACGAGGCCGTCGTATCCCTCGGTCCGGCGGGCGGGCGGGGCGGTAG
CGGAGGAGACGGTTTCAGGCCTCCGGTGC GGCTGCAATGCTGAGCTCCCGGGCCGAGGCG
GCGATGACCGGGCCGACAGGGCCATCCAGCGCTTCTGCGGACCGGGGCGGGCCGTCAGA
TATAAAGTCATGAAGAACTGGGGAGTTATAGGTGGAATTGCTGCTGCTCTTGACAGCAGGA
ATATATGTTATTTGGGGTCCCATTACAGAAAGAAAGAAGCGTAGAAAAGGGCTTGTGCCT
GGCCTTGTTAATTTAGGGAACACCTGCTTCATGAACTCCCTGCTACAAGGCCTGTCTGCC
TGTCTGCTTTTCATCAGGTGGCTGGAAGAGTTACCTCCAGTACTCCAGGGATCAGAAG
GAGCCCCCTCACACCAGTATTTATCCTTAACACTCTTGACCTTCTGAAAGCCTTGTCC
TGCCAAGAAGTTACTGATGATGAGGTCTTAGATGCAAGCTGCTTGTGGATGCTTAAGA
ATGTACAGATGGCAGATCTCATATTTGAAGAACAGGATGCTCACGAATTATTCCATGTC
ATTACCTCGTCATTGGAAGATGAGCGAGACCGCCAGCCTCGGGTCACACATTTGTTTGAT
GTGCATCCCTGGAGCAGCAGTCAGAAATAACTCCAAACAAATTACCTGCCGCACAAGA
GGGTCACCTCACCCACATCCAATCACTGGAAGTCTCAACATCCTTTTCATGGAAGACTC
ACTAGTAATATGGTCTGCAAACACTGTGAACACCAGAGTCTGTTCGATTTGATACCTTT
GATAGCCTTTCACTAAGTATTCCAGCCGCACATGGGGTCACCCATTGACCTGGACCAC
TGCCCTTACCACCTTCATCTCATCAGAATCAGTGCGGGATGTTGTGTGTGACAACGTACA
AAGATTGAAGCCAAGGGAACGTTGAACGGGAAAAGGTGGAACACCAGAGGACCCTTTT
GTTAAACAGTTAAACTAGGGAAGCTCCCTCAGTGTCTCTGCATCCACCTACAGCGGCTG
AGCTGGTCCAGCCACGGCACGCCTCTGAAGCGGCATGAGCACGTGCAGTTCAATGAGTTC
CTGATGATGGACATTTACAAGTACCACCTCCTTGGACATAAACCTAGTCAACACAACCT
AAACTGAACAAGAACCCAGGGCCTACACTGGAGCTGCAGGATGGGCCGGGAGCCCCCACA
CCAGTTCTGAATCAGCCAGGGGCCCCCAAAACACAGATTTTATGAATGGCGCCTGCTCC
CCATCTTTATTGCCAACGCTGTACAGCGCGATGCCCTTCCCTCCTCCAGTTGTTCCCGAC
TACAGCTCCTCCACATACCTCTTCCGGCTGATGGCAGTTGTCGTCCACCATGGAGACATG
CACTCTGGACACTTTGTCACTTACCAGCGGTCCCCACCTTCTGCCAGGAACCTCTCTCA
ACTAGCAATCAGTGGCTGTGGGTCTCCGATGACACTGTCCGCAAGGCCAGCCTGCAGGAG
GTCCTGTCTCCAGCGCTACCTGCTGTCTACGAGCGCGTCTTTCCAGGATGCAGCAC
CAGAGCCAGGAGTCAAGTCTGAAGAATGACTGTGCCCTCCTGCAAGGCTAGAGCTGATG
GCACTGTCTGCACTGTCCAGGA
```

**5' Read Nucleotide Sequence:**

```
>OriGene 5' read for NM_032663 unedited
CTATAGGGCGGCCGGAATTCGCACGAGGCCGTCGTATCCCTCGGTCCGGCGGGCGGGCGG
GGCGGTAGCGGAGGAGACGGTTTCAGGCCTCCGGTGC GGCTGCAATGCTGAGCTCCCGGG
CCGAGGCGGGGATGACCGCGGCCGACAGGGCCATCCAGCGCTTCTGCGGACCGGGGCGG
CCGTCAGATATAAAGTCATGAAGAACTGGGGAGTTATAGGTGGAATTGCTGCTGCTTTG
CAGCAGGAATATATGTTATTTGGGGTCCCATTACAGAAAGAAAGAAGCGTAGAAAAGGGC
TTGTGCCTGGCCTTGTTAATTTAGGGAACACCTGCTTCATGAACTCCCTGCTACAAGGCC
TGTCTGCCTGTCTGCTTTCATCAGGTGGCTGGAAGAGTTACCTCCAGTACTCCAGGG
ATCAGAAGGAGCCCCCTCACACCAGTATTTATCCTTAACACTCTTGACCTTCTGAAAG
CCTTGTCTGCTGCAAGAAGTTACTGATGATGAGGTCTTAAATGCAAGCTGCTTGTGGATG
TCTTAAGAATGTACAGATGGCAGATCTCATATTTGAAGAACAGGATGCTCACGAATTAT
TCCCATGTCAATACCTCGTCATTGGAAGATGAGCGAGACCGCCAGCCTCGGGTCACACAT
TTGTTTGATGTGCATTCCTGGAGCAGCAGTCAGAAATAACTCCAAACAATTACCTGCC
GCACAAGAGGTTACCTTACCCACATCCAATCACTGGAAGTCTACCATCCTTTTCATG
GAAGACTCACTANTAATATGGTCTGCAAACACTGTGAACACCAAGTCTGTTTCGATTTG
ATACCTTTGAAAGCCTTTCACATAATTTCCACCCGCCCATGGGTTACC
```

<b>3' Read Nucleotide Sequence:</b>	>Forward primer walk for NM_032663 unedited CTTGGACACTGCATTTCATGAGTTCCTGNATGATGGACATTTACAAGTACCACCTCCTTGG ACATAAACCTAGTCAACACAACCCTAACTGAACAAGAAGCCAGGGCCTACACTGGAGCT GCAGGATGGGCCGGGAGCCCCACACCAGTTCTGAATCAGCCAGGGGCCCAAAACACA GATTTTTATGAATGGCGCCTGCTCCCCATCTTTATTGCCAACGCTGTGAGCGCGATGCC CTTCCCTCTCCCAGTTGTTCCCGACTACAGTCTCCTCCACATACCTTCCGGCTGATGGC AGTTGTCGTCCACCATGGAGACATGCACTCTGGACACTTTGTCACTTACCGACGGTCCCC ACCTTCTGCCAGGAACCTCTCTCAACTAGCAATCAGTGGCTGTGGGTCTCCGATGACAC TGTCCGCAAGGCCAGCCTGCAGGAGTCTGCTCCTCCAGCGCCTACCTGTGTTCTACGA GCGCGTCTTTCCAGGATGCAGCACCAGAGCCAGGAGTGAAGTCTGAAGAATGACTGTG CCCTCCTGCAAGGCTAGAGCTGATGGCACTGTCTGCACTGTCCAGGANAAAAGTAAACT GTACTGTTGCGTGTGCAAGCGGCCCACTAGAGCCTTCCAGCCTTCTGGTGTGTTCTAAG AGCAGGCTCCACCTGNGAGCCAGCCCCAGTTCACACCAAACCAGGCTCCCTGAACAGTCC TGTTTCATGTGTAGGTGGTCTGTTGTGTTAAGAAAGCATTATTATGTCGGGAGTGTC TTTTACTCATCTGATACAGGTAATAAAAGAACTCAGATTCTTGAGCCNACGTTTTTCAT ATTGTATGGTAGGTGTTCTCAGAGGGGAAGTACCTTTGTCTAAATCAACGTTTCACTTAG ATCTTTTATTTTATAAGC
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_032663
<b>Insert Size:</b>	4100 bp
<b>OTI Disclaimer:</b>	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 <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> 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. <a href="#">More info</a>
<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_032663.2</a> , <a href="#">NP_116052.1</a>
<b>RefSeq Size:</b>	2117 bp

RefSeq ORF:	1527 bp
Locus ID:	84749
UniProt ID:	<a href="#">Q70CQ3</a>
Cytogenetics:	12q24.11
Domains:	UCH
Protein Families:	Protease, Transmembrane
Gene Summary:	<p>USP30, a member of the ubiquitin-specific protease family (see USP1, MIM 603478), is a novel mitochondrial deubiquitinating (DUB) enzyme (Nakamura and Hirose, 2008 [PubMed 18287522]).[supplied by OMIM, Dec 2008]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (1).</p>