

Product datasheet for SC108152

USP32 (NM_032582) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	USP32 (NM_032582) Human Untagged Clone
Tag:	Tag Free
Symbol:	USP32
Synonyms:	NY-REN-60; USP10
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_032582 edited
 ATGGGTGCCAAGGAGTCACGGATCGGATTCCTCAGCTACGAGGAGCGCTGAGGAGAGTT
 ACAGATGTAGAGCTAAAACGACTGAAGGATGCTTTCAAGAGGACCTGTGGACTCTCATAT
 TACATGGGCCAGCACTGCTTCATCCGGGAAGTGCTTGGGGATGGAGTGCCTCCAAAGGTT
 GCTGAGGTGATTTACTGTTCTTTTGGTGAACATCCAAAGGGCTGCACCTCAATAATTTA
 ATAGTTGGACTTGTCTCTTACAAGAGGCAAAGATGAAGAGAAAAGCAAAATACATTTTT
 AGTCTTTTTTCAAGTGAATCTGGAACTATGTTATACGGGAAGAAATGGAAGAATGCTC
 CACGTGGTGGATGGTAAAGTCCCAGATACACTCAGGAAGTGTCTCAGAGGGTGAAG
 GTAACATGAAAAGTTAGAAATGGCTTTTTCTAAACAAGATGCTTTTACTTTCTCT
 CGATGGCTTCTATCTGGAGGTGTGTATGTTACCCTCACTGATGATAGTACTCCTACT
 TTCTACCAAACCTGGCTGGAGTCACACATTTGGAGGAATCAGACATCATTGATCTTGAG
 AAACGCTATTGGTTATTGAAGGCTCAATCCCGGACTGGACGATTTGATTTAGAGACATTT
 GGCCCATTTGGTTTCAACCCTATTTCGTCCATCTCTAAGTGAAGGTTTGTTAATGCTTTT
 GATGAAAATCGTGACAATCACATAGATTTAAGGAGATATCCTGTGGGTATCAGCCTGT
 TGCAGGGGACCCCTGGCTGAAAGACAAAATTTTGCTTCAAGGTATTTGATGTTGACCGT
 GATGGAGTTCTCTCCAGGGTTGAACTGAGAGACATGGTGGTTGCACCTTTTAGAAGTCTGG
 AAGGACAACCGCACTGATGATATTCCTGAATTACATATGGATCTCTCTGATATTGTAGAA
 GGCATACTGAATGCACATGACACCACAAAGATGGGTCATCTTACTCTGGAAGACTATCAG
 ATCTGGAGTGTGAAAAATGTTCTTGCCAATGAGTTTTTGAACCTCCTTTCCAGGTGTGT
 CACATAGTTCTGGGTTAAGACCAGCTACTCCGGAAGAAGAAGGACAAAATTATTAGAGGA
 TGGTTAGAACGAGAGAGCAGGTATGGTCTGCAAGCAGGACACAACCTGGTTTATCATCTCC
 ATGCAAGTGGTGGCAACAGTGGAAAGAATATGTCAAATACGATGCCAACCTGTGGTAATT
 GAGCCATCATCTGTTTTGAATGGAGGAAAATACTATTTGGAAGTGCAGCCCATCCTATG
 GAGCAGGTCGAAGATAGAATTGGAAGCAGCCTCAGTTACGTGAATACTACAGAAGAGAAA
 TTTTCAGACAACATTTCTACTGCATCTGAAGCCTCAGAACTGCTGGCAGCGGCTTTCTG
 TATTCTGCCACACCAGGGGCAGATGTTTGCTTTGCTCGACAACATAACACTTCTGACAA
 AACACCAGTGTGCTGGGAGCCAATGGGAATATTTTGTGCACCTTAACCCTCAGAAA



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CCAGGGGCTATTGATAATCAGCCATTAGTAACTCAAGAACCAGTAAAGGCTACATCATT
 AACTAGAAAGGAGGACGATTAACGAACCTCCACAGCTGATTCATGGAAGAGACTATGAA
 ATGGTCCCAGAACCTGTGTGGAGAGCACTTTATCACTGGTATGGAGCAAACCTGGCCTTA
 CCTAGACCAGTTATCAAGAACAGCAAGACAGACATCCCAGAGCTGGAATTATTTCCCGC
 TATCTTCTCTTCTGAGACAGCAGCCTGCCACTCGGACACAGCAGTCTAACATCTGGGTG
 AATATGGGAAATGTACCTTCTCCGAATGCACCTTTAAAGCGGGTATTAGCCTATACAGGC
 TGTTTTAGTCGAATGCAGACCATCAAGGAAATTCACGAATATCTATCTCAAAGGCTGCC
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 TTAGAAAATACAGTGATTAAGTTAGATGGTACTACCCCTGTACGGTATGGACTAAGACTG
 AATATGGATGAAAAGTACACAGGTTTAAAAAACAGCTGAGTGATCTCTGTGGACTTAAT
 TCAGAACAAAATCCTTCTAGCAGAAGTACATGGTCCAACATAAAGAAGCTTCTCAGGAC
 AACCAAAAAGTACGACTCTCAGTGAGTGGATTTTTGTGTGCATTTGAAATTCCTGTCCCT
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 TTTGGAATGCCATTGATTGTTCCATGTACTGTGCATACCCGGAAGAAAGACCTATATGAT
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 CAGAAAGATGGAACTCCTGTGCTTGGTGGCCATGGTATAGATTTGCAGAGGCTGTAAA
 ATTGATTGTGGGAAGACAGAGCTTTCATTGAAAATGCCTATATCGCTGTGGATTGGGAT
 CCCACAGCCCTTACCTTCGCTATCAAACATCCCAGGAAAGGGTGTAGATGAGCATGAG
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 GCTTTCACCAAGTGAAGAGAGCTAGGGGAAAATGAGATGTACTACTGTTCCAAGTGTAGA
 CCCACTGCTTAGCAACAAAGAAGCTGGATCTCTGGAGGCTTCCACCCATCCTGATTATTC
 ACCTTAAGCGATTTCAATTTGTAATGGTCCGGTGGATAAAATCACAGAAAATGTCAAAT
 TTCCTCGGAAAAGTTTTGATCCAAGTGCTTTTTTGGTACCAAGAGACCCCGCTCTCTGCC
 AGCATAAACCACTCACACCCAGGGGATGAGCTCTGTAGCCAGGATTCTGGCAAGGG
 AGGTGAAGAAAAGTGGATGCGCAGAGTTCGGCTGGGGAAGAGGACGTGCTCCTGAGCAAAA
 GCCCATCCTCACTCAGCGCTAACATCATCAGCAGCCGAAAGGTTCTCCTTCTTCATCAA
 GAAAAAGTGAACACAGCTGTCCCTCCAGCAAAAACAGCAGCCCTAATAGCAGCCACGGA
 CTTTGGGAGGAGCAAAGGGAGGCTCCGGCTGCCCGAGATTGGCAGCAAAAATAAAGTGT
 CAAGTAGTAAAGAGAAGTGGATGCCAGCAAGAAAATGGGGCTGGCAGATATGTGAGC
 TGCTGACGCCTTGAGTCGAGGGCATGTGCTGGGGGGCAGCAACAGAGTTGGTCACTC
 CTCAGGACCATGAGGTAGCTTTGGCCAATGGATTCCTTTATGAGCATGAAGCATGTGGCA
 ATGGCTACAGCAATGGTCAAGCTTGGAAACCACAGTGAAGAAGACAGCACTGATGACCAAA
 GAGAAGATACTCGTATTAAGCCTATTTATAATCTATATGCAATTTCTGTGCCATTACAGAA
 TTCTGGGTGGGGGCCATTACGTCACTTATGCCAAAAACCAAACTGCAAGTGGTACTGTT
 ACAATGACAGCAGCTGTAAGGAACTTACCCGGATGAAATTGACACCGACTCTGCCTACA

TTCTTTTCTATGAGCAGCAGGGGATAGACTATGCACAATTTCTGCCAAAGACTGATGGCA
 AAAAGATGGCAGACACAAGCAGTATGGATGAAGACTTTGAGTCTGATTACAAAAAGTACT
 GTGTGTTACAGTAA

**5' Read Nucleotide
 Sequence:**

>OriGene 5' read for NM_032582 unedited
 TACTTACCCCCGCCGTTGNCGCAATGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATA
 AGCAGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGCGGCC
 GCGAATTCGGCACGAGGCCGAGGAGAAGGCCGGGAGGGGGTGGGGCGAGATCAGGCTCC
 GACCCCCCGCAGGGGATGAGGGGAGCATGGGTGCCAAGGAGTCACGGATCGGATTCTCT
 CAGCTACGAGGAGGCGCTGAGGAGAGTTACAGATGTAGAGCTAAAACGACTGAAGGATGC
 TTTCAAGAGGACCTGTGGACTCTCATATTACATGGGCCAGCACTGCTTCATCCGGGAAGT
 GCTTGGGGATGGAGTGCCTCAAAGGTTGCTGAGGTGATTTACTGTTCTTTTGGTGAAC
 ATCCAAAGGGCTGCACCTCAATAATTTAATAGTTGGACTTGTCTCTTACAAGAGGCAA
 AGATGAAGAGAAAAGCAAATAACATTTTTAGTCTTTTTCAAGTGAATCTGGGAACATGT
 TATACGGGAAGAAATGGAAAGAATGCTCCACGTGGTGGATGGTAAAGTCCAGATACACT
 CAGGAAGTGTCTCAGAGGGTGAAGGTAAGTAACTATGAAAAGTTTAGAAATTGGCTTTT
 TCTAAACAAGATGCTTTTACTTTCTCTCGATGGCTTCTATCTGGAGGTGTATGTTAC
 CCTCACTGATGATAGTACTCTACTTTCTACCAAACCTGGCTGGAGTCACACATNT
 TGGAGGAATCAGACATCATTGATCTTGAGAAACGCTATTGGTTATTGAAGGCTCAATCCC
 GGACTGGACGATTTGATTTAGAGACATTTGGCCATTGGTTTCACAACTATTGTCATCT
 TTAAGTGAAGGTTGTTAATGCCTCTG

**3' Read Nucleotide
 Sequence:**

>OriGene 3' read for NM_032582 unedited
 ACGTCTTACTATGGACGCGGCCGATTCTANGATCGGTTTTTTTTTTTTTTTTTAACTA
 TTTTAATTAGAATTTTTATTTTGTGCTTCAGGGCCACAGGATAAAATAACTACATTTAGC
 TTGCCTTTCAGTGACGCTTTTGCCAAATGTCAGCTACAAGGAGTCATCTCCCTCACCGCC
 AAGCTGTCTAGCAGCCAGAGTGGTAGCTTTACTGTAACACACAGTACTTTTTGTAATCAG
 ACTCAAAGTCTTCATCCATACTGCTTGTGTCTGCCATCTTTTTGCCATCAGTCTTTGGCA
 GAAATTGTGCATAGTCTATCCCCTGCTGCTCATAGAAAAGAATGTAGGCAGAGTCGGTGT
 CAATTTTCATCCGGTGAAGTTCCTTACAGCTGCTGTCATTGTAACAGTACCACTTGCAGT
 TTGGGTTTTTGGCATAAGTGACGTAATGGCCCCACCCAGAATTCCTGAATGGCACGAAA
 TTGCATATAGATTATAAATAGGCTTAATACGAGTATCTTCTTTTGGTCATCAGTGTCT
 CTTCTTCACTGTGGTTTCCAAGCTGACCATTGCTGTAGCCATTGCCACATGCTTCATGCT
 CATAAAGGAATCCATTGGCCAAAGCTACCTCATGGTCTGAGGAGTGACCAACTCTGGTT
 GGCTGCCCCCAGCACATGCCCTCGACTCAAGGCGTCAGCCAGCTCACATATCTGCCAG
 CCCCATTTCTTTGCTGGCATCCAAGTTCTTTACTACTTGACAGTTTATTTNTGCTGC
 CAATCTGGGGCAGCCGGAGCCTCCCTTTGCTCCTCCCAAAGTCCGTGGCTGCTATTAGGN
 CTGCTGNTTTGCTGGAGGGACAGCTGGTTC

Restriction Sites:

NotI-NotI

ACCN:

NM_032582

Insert Size:

5000 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 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](#)

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:

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_032582.3](#), [NP_115971.2](#)

RefSeq Size: 7026 bp

RefSeq ORF: 4815 bp

Locus ID: 84669

UniProt ID: [Q8NFA0](#)

Cytogenetics: 17q23.1-q23.2

Domains: UCH, EFh, DUSP

Protein Families: Druggable Genome, Protease