

Product datasheet for **SC115970**

USP39 (NM_006590) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	USP39 (NM_006590) Human Untagged Clone
Tag:	Tag Free
Symbol:	USP39
Synonyms:	65K; CGI-21; HSPC332; SAD1; SNRNP65
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_006590 edited
GAATTCGGCACGAGGGTGAAGCGGGAGTTCGAGCCGGCGAGCGCGCGAGGCCCGGCT
TCTGTTGTCCCGTTTGTGCGGGTGAAGCGGGAGCGCGAGGTTCGATGAGGACTCGGAGCCT
GAGCGGGAGGTGCGAGCAAAGAATGGCCGAGTGGATTCTGAGGACCGGAGGAGCCGCCAC
TGCCCCGACCTGGACACCATTAACAGGAGTGTGCTGGACTTTGACTTTGAGAACTGTGT
TCTATCTCCCTCTCACACATCAATGCTTATGCCTGTCTGGTGTGTGGCAAGTACTTTCAA
GGCCGGGGTTTGAAGTCTCACGCCTACATTACAGTGTCCAGTTTAGCCACCATGTTTTTC
CTCAACCTCCACACCCTCAAGTTTTACTGCCTTCCAGACAATAGAGATCATCGATTCC
TCATTGGAGGATATCACGTATGTGTTGAAGCCACTTTACAAAAGCAGCAAATTGCAAAC
TTGGACAAGCAAGCCAAATTGTCCCGGCATATGATGGTACCCTTACCTGCCGGGTATT
GTGGGACTGAATAACATAAAGGCCAATGATTATGCCAACGCTGCTTCCAGGCTCTATCT
AATGTTCTCCTCTCCGGAATACTTTCTGGAAGAAGACAATTATAAGAACATCAAACGT
CCTCCAGGGGATATCATGTTCTTGTGGTCCAGCGTTTTGGAGAGCTGATGAGAAAGCTC
TGGAACCTCGAAATTTCAAGGCACATGTGTCTCCCATGAGATGCTTCAGGCAGTTGTA
CTTTCAGTAAGAAGACTTTTCAGATCACCAAACAAGGAGATGGCGTTGACTTTCTGTCT
TGGTTTCTGAATGCTCTGCACTCAGCTCTGGGGGGCACAAAGAAGAAAAGAAAGACTATT
GTGACTGATGTTTTCCAGGGGTCCATGAGGATCTTCACTAAAAAGCTTCCCCATCCTGAT
CTGCCAGCAGAAGAAAAGAGCAGTTGCTCCATAATGACGAGTACCAGGAGACAATGGTG
GAGTCCACTTTTTATGTACCTGACGCTGGACCTTCTACTGCCCCCTCTACAAGGACGAG
AAGGAGCAGCTCATATCCCAAGTGCCACTTCAACATCCTGGTAAAGTTCAATGGC
ATCACTGAGAAGGAATAAAGACTTACAAGGAGAACTTTCTGAAGCGCTTCCAGCTTACC
AAGTTGCCTCCATATCTAATCTTTTGTATCAAGAGATTCATAAGAACAACCTCTTTGTT
GAGAAGAATCCAATAATGTTCAATTTCCCTATTACAAATGTGGATCTGAGAGAATACTTG
TCTGAAGAAGTACAAGCAGTACACAAGAATACCACCTATGACCTCATTGCCAACATCGTG
CATGACGCAAGCCCTCCGAGGGCTCCTACCGGATCCACGTGCTTCATCATTTAATTGAG
ATGGGGTTGTGCTATGATGCTCATGCTGGTCTCAAGCAATCCTCCCGCTCAGCTTCTGA
AACTGCTGGGATTACAGGGGACAGGCAAATGGTATGAATTACAAGACCTCCAGGTGACTG
ACATCCTTCCCCAGATGATCACACTGTCAGAGGCTTACATTGAGATTTGGAAGAGGCGAG
ATAATGATGAAACCAACCAGCAGGGGGCTTGAAGGAGGCGTCTAGGGCTTTGCTCCCAAG
GGCTGTGGCTGATGATGGTAAATAAGAACACAGAAGCTGTAGCTGAACACAGGCTGGCTG
GTGGGCTTCTAGGCCAGCCAGCTTGTATGGGTTCTGGCTACACCAGAGCACCAGAGC
CCACTTGCTGGGATGGCCCCACACTGTCACTCAGCTGTTCTTTGATCATTTTTTTCTAG
ATTGATGCTCCTTTCTCCCATGCATTGAGCTCCCATCTAGCTTACGACAGGGCAGAACCTT
TCTCCAGATGTGTGTAACCTTATGTCTTGAGTATCTGGGAGTAGTTGAAGAACAGATAATT
CCTTCCAAACATCAAGCCTTGGGATTCTTGGAGCAAGCAGAAAGCCAGTAACTTCGCTCT
GTTAGAGGTGGAGGATTTTCTATGGTTCCCCCATTTCTGATTTTGTATTTTATAGATGG
ATTAATAGTCTCCTGTTTTAAACCAAAAAAAAAAAAAAAAAAACTCGAC
    
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_006590 unedited TGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGTGAAGCGGGAGTTCCG AGCCGGCAGCGCGCGCAGGCCCCGGCTTCTGTTGTCCCGTTTGTGCGGGTGAAGCGGG AGCGCGAGGTCGATGAGGACTCGGAGCCTGAGCGGGAGGTGCGAGCAAAGAATGGCCGAG TGGATTCTGAGGACCGGAGGAGCCGCACTGCCGTACCTGGACACCATTAACAGGAGTG TGCTGGACTTTGACTTTGAGAACTGTGTTCTATCTCCCTCTCACACATCAATGCTTATG CCTGCTGGTGTGTGGCAAGTACTTTCAAGGCCGGGGTTGAAGTCTCACGCCTACATTC ACAGTGTCCAGTTTAGCCACCATGTTTTCTCAACCTCCACACCCTCAAGTTTTACTGCC TTCCAGACAACATGAGATCATCGATTCCCTATTGGAGGATATCACGTATGTGTTGAAGC CCACTTTCACAAAGCAGCAAATTGCAAACCTGGACAAGCAAGCCAAATTGCCCCGGCAT ATGATGGTACCCTTACCTGCCGGTATTGTGGGACTGAATAACATAAAGCCAAATGATT ATGCCAACGCTGCCTTCAGGCTCTATCTAATGTTCTCTCTCCGGAACACTTTCTGG AAGAAGACATTATAAGAACATCAAACGCTCTCCGGGATATCATGTTCTTGTGGTCCAG CGTTTTGGAGAGCTGATGAGAAAGCTCTGGAACCCTCGAAATTCAGGCACATGTGNTCT CCCATGAGATGCTTCAGGCAGNTGACTTTGCAGTAAGAAGACTTTTCAGATCACCAACA GGGAGATGGCGTGACTTCTGGCTGTTNCTGATGCTCTGACTACTCTGGGGGCC</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_006590 unedited ACCGCGGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTGGTTTAAAAACAGGAG ATATTTAATCCATCTAAAAATACAAATCAGGAAATGGGGGAACCATAGGAAAATCCTCC ACCTCTAACAGAGCGAAGTTACTGGCTTCTGCTTGTCCAAGAATCCCAAGGCTTGATG TTTGAAGGAATTATCTGTTCTTCAACTACTCCAGATACTCAAGACATAAGTTACACAC ATCTGGAGAAGGTTCTGCCCTGCTGAAACCTTAAGGGGACCCCATCGCCGGGGGAAAAG GGGCCCTTCTTTAAAAAAATTTTTCCAAAACCCCTTCTTTTCCCCCGGGGGGGGCC CCCCCCCCACCCGAGGCCCCCCCTCGCCCCCTCCGGCCCAACAAAAAACACAAAAAA CGGGGGGGGGATAAAAAACACCCCCCCCCCCCCCCCCCGGGCTCAACACCCCCCCC GGCGTGTTTTTCTTCTTCAACCCCCCCCCCCCCCGGGGTGGGAAACAACCCACACC CCCCCTCCCCCTCCGCGGGGGGGGGGGTGGCGTTTTTCCCCTTCTCCCCCTACTCC TCAATCTAATCATCTCCCTCTCTCCCCTTACGGGTGTCGGCGAGCGCGAGGGCACCCCC CCCCGCCCCCTAAATCAAATTTATTATTCTCCCCCTCCCCCCCCGCCACTCTCTT TCCAGACAGTGACGCGGGGGGGTTCGGATATTCACAACATATTTACAAACCCTCCACCC AACCTCCCCTTCTTCCCTCTCCTCTCAACTCTCTCATCCACCCCTCCCCTCTCCCC CCCCTTCTCCCCCTCCCCCCCCCTCTCCATTCTTTTTTTTTT</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_006590
Insert Size:	2080 bp
OTI Disclaimer:	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).
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:	<ol style="list-style-type: none">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:	<u>NM_006590.1</u> , <u>NP_006581.1</u>
RefSeq Size:	2166 bp
RefSeq ORF:	975 bp
Locus ID:	10713
UniProt ID:	<u>Q53GS9</u>
Cytogenetics:	2p11.2
Domains:	UCH
Protein Families:	Protease
Protein Pathways:	Spliceosome
Gene Summary:	<p>Plays a role in pre-mRNA splicing as a component of the U4/U6-U5 tri-snRNP, one of the building blocks of the pre-catalytic spliceosome (PubMed:11350945, PubMed:26912367). Regulates AURKB mRNA levels, and thereby plays a role in cytokinesis and in the spindle checkpoint. Does not have ubiquitin-specific peptidase activity (PubMed:18728397). [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript. Variants 1 and 2 encode the same isoform (1).</p>