

## Product datasheet for **SC330508**

### USP39 (NM\_001256728) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** USP39 (NM\_001256728) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** USP39  
**Synonyms:** 65K; CGI-21; HSPC332; SAD1; SNRNP65  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC330508 representing NM\_001256728.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

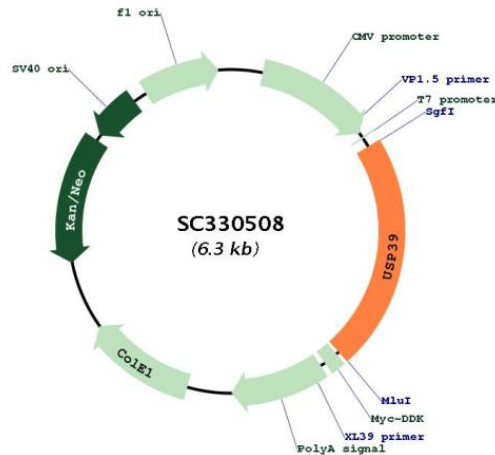
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ATGCTTACGGCGGTGCCTTCCCATCTTTTTCTGCAAAGAATGGCCGAGTGGATTCTGAGGACCGGAGG
AGCCGCCACTGCCGTACCTGGACACCATTAACAGCTTTTCACCCCTCCCTACAGGCCGGGTTTGAAG
TCTCACGCCTACATTACAGTGTCCAGTTAGCCACCATGTTTTCTCAACCTCCACACCCTCAAGTTT
TACTGCCTCCAGACAATATGAGATCATCGATTCTCATTGGAGGATATCACGTATGTGTTGAAGCCC
ACTTTCACAAAGCAGCAAATTGCAAACCTGGACAAGCAAGCCAAATTGTCCCGGCATATGATGGTACC
ACTTACCTGCCGGTATTGTGGGACTGAATAACATAAAGGCCAATGATTATGCCAACGCTGTCCTTCAG
GCTCTATCTAATGTTCTCCTCTCCGGAACACTTTCTGGAAGAAGACAATTATAAGAACATCAAACGT
CCTCCAGGGGATATCATGTTCTTGTGGTCCAGCGTTTTGGAGAGCTGATGAGAAAGCTCTGGAACCT
CGAAATTTCAAGGCACATGTGTCTCCCCATGAGATGCTTCAGGCAGTTGTACTTTGCAGTAAGAAGACT
TTTCAGATCACCAACAAGGAGATGGCGTTGACTTTCTGTCTTGGTTTCTGAATGCTCTGCACTCAGCT
CTGGGGGGCACAAGAAGAAAAAGAACTATTGTGACTGATGTTTTCCAGGGTCCATGAGGATCTTC
ACTAAAAGCTTCCCCATCCTGATCTGCCAGCAGAAGAAAAGAGCAGTTGCTCCATAATGACGAGTAC
CAGGAGACAATGGTGGAGTCCACTTTTATGTACCTGACGCTGGACCTTCTACTGCCCCCTCTACAAG
GACGAGAAGGAGCAGCTCATCATTCCCAAGTCCCACTTTCAACATCCTGGCTAAGTTCAATGGCATC
ACTGAGAAGGAATATAAGACTTACAAGGAGAATTTCTGAAGCGCTTCCAGCTTACCAAGTTGCCTCCA
TATCTAATCTTTGTATCAAGAGATTTACTAAGAACAATCTTTGTTGAGAAGAATCCAATATTGTC
AATTTCCCTATTACAAATGTGGATCTGAGAGAATACTTGTCTGAAGAAGTACAAGCAGTACACAAGAAT
ACCACCTATGACCTCATTGCCAACATCGTGCATGACGGCAAGCCCTCCGAGGGCTCCTACCGGATCCAC
GTGCTTCATCATGGGACAGGCAATGGTATGAATTACAAGACCTCCAGGTGACTGACATCCTTCCCAG
ATGATCACACTGTCAGAGGCTTACATTCAGATTTGGAAGAGGCGAGATAATGATGAAACCAACCAGCAG
GGGCTTGA
  
```

**Restriction Sites:** SgfI-MluI



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**Plasmid Map:**


**ACCN:** NM\_001256728

**Insert Size:** 1389 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:**

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\\_001256728.1](#)

**RefSeq Size:** 2108 bp

**RefSeq ORF:** 1389 bp

**Locus ID:** 10713

**UniProt ID:** [Q53GS9](#)

**Cytogenetics:** 2p11.2

**Protein Families:** Protease

**Protein Pathways:** Spliceosome

**MW:** 53.5 kDa

**Gene Summary:** Plays a role in pre-mRNA splicing as a component of the U4/U6-U5 tri-snRNP, one of the building blocks of the precatalytic 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]  
Transcript Variant: This variant (5) differs in the 5' UTR, lacks a portion of the 5' coding region, initiates translation at an alternate start codon, and lacks an in-frame exon in the 5' coding region, compared to variant 1. The encoded isoform (4) is shorter and has a distinct N-terminus, compared to isoform 1.