

## Product datasheet for **RC234257**

### USP39 (NM\_001256726) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	USP39 (NM_001256726) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	USP39
Synonyms:	65K; CGI-21; HSPC332; SAD1; SNRNP65
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC234257 representing NM\_001256726  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTCCGGCCGGTCTAAGCGGGAGTCTCGCGGTTCCACTCGCGGAAGCGAGAGTCTGAGTCCGGGGCA  
 GCTCCGGTCGCGTCAAGCGGGAGCGAGATCGGGAGCGGGAGCCTGAGCGCGGAGCTCCCGGGCAGCCC  
 TGTGCGCGTGAAGCGGGAGTTCGAGCGCGGAGCGCGCGAGGCCCGGCTTCTGTTGTCCCGTTTGTG  
 CGGGTGAAGCGGGAGCGGAGGTCGATGAGGACTCGGAGCCTGAGCGGGAGGTGCGAGCAAAGAATGGCC  
 GAGTGGATTCTGAGGACCGGAGGAGCCGCACTGCCCGTACCTGGACACCATTACAGGAGTGTGCTGGA  
 CTTTGACTTTGAGAACTGTGTTCTATCTCCCTCACACATCAATGCTTATGCCTGTCTGGTGTGTGGC  
 AAGTACTTTCAAGCGGGGTTGAAGTCTCACGCTACATTACAGTGTCCAGTTTAGCCACCATGTTT  
 TCCTCAACCTCCACACCCTCAAGTTTTACTGCCTTCCAGACAATATGAGATCATCGATTCTCATTGGA  
 GGATATACGATATGTGTTGAAGCCCACTTCCAAAGCAGCAAATGCAAACCTGGACAAGCAAGCCAAA  
 TTGTCGGGGCATATGATGGTACCACTTACCTGCCGGTATTGTGGGACTGAATAACATAAAGGCCAATG  
 ATTATGCCAAGCTGTCTTCAGGCTCTATCTAATGTTCTCCTCTCCGGAACACTTTCTGGAAGAAGA  
 CAATTATAAGAACATCAAACGCTCTCCAGGGGATATCATGTTCTTGTGGTCCAGCGTTTTGGAGAGCTG  
 ATGAGAAAGCTCTGGAACCTCGAAATTTCAAGGCACATGTGTCTCCCATGAGATGCTTCAGGCAGTTG  
 TACTTTGCAGTAAGAAGACTTTTCAGATCACCAAAACAAGGAGATGGCGTTGACTTTCTGTCTTGGTTTCT  
 GAATGCTCTGCACTCAGCTCTGGGGGCACAAAGAAGAAAAGAAGACTATTGTGACTGATGTTTCCAG  
 GGGTCCATGAGGATCTTCACTAAAAGCTTCCCATCCTGATCTGCCAGCAGAAGAAAAGAGCAGTTGC  
 TCCATAATGACGAGTACCAGGAGACAATGGTGGAGTCCACTTTTATGTACCTGACGCTGGACCTTCTCTAC  
 TGCCCCCTCTACAAGGACGAGAAGGAGCAGTCACTATTCCCAAGTGCCACTTTCAACATCCTGGCT  
 AAGTTCAATGGCCTACTGAGAAGGAATAAAGACTTACAAGGAGAACTTTCTGAAGCGCTTCCAGCTTA  
 CCAAGTTGCCTCCATATCTAATCTTTGTATCAAGAGATTCACTAAGAACAATCTTTGTTGAGAAGAA  
 TCCAATATTGTCAATTTCCCTATTACGGGACAGGCAAATGGTATGAATTACAAGACCTCCAGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC234257 representing NM\_001256726  
 Red=Cloning site Green=Tags(s)

MSGRSKRESRGSTRGKRESESRGSSGRVKRERDREREPEAASSRGSPPVRVKREFEPASAREAPASVVPFV  
 RVKREREVDESEPEREVRKNGRVDSEDRSRHCPYLDITNRSVLDLDFEKLCSISLSHINAYACLVCG  
 KYFQGRGLKSHAYIHSVQFHHVFLNLHCLKFYCLPDNYEIIDSSLEDITYVLKPTFTKQQIANLDKQAK  
 LSRAYDGTTYLPGIVGLNNIKANDYANAVLQALSNVPLRNYFLEEDNYKNIKRPPGDIMFLLVQRFGEL  
 MRKLNPRNFKAHVSPHEMLQAVVLCSSKTFQITKQGDGVDFLSWFLNALHSALGGTKKKKKTIVTDVDFQ  
 GSMRIFTKKLPHPDLPAAEKEQLLNDEYQETMVESTFMYLTLDLPTAPLYKDEKEQLIIPQVPLFNILA  
 KFNIGITEKEYKYKENFLKRFQLTKLPPYLIFCIKRFTKNFFVEKNPTIVNFPITGQANGMNYKTSR

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001256726

**ORF Size:** 1464 bp

**OTI Disclaimer:** 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](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_001256726.2](#)
**RefSeq Size:** 2162 bp

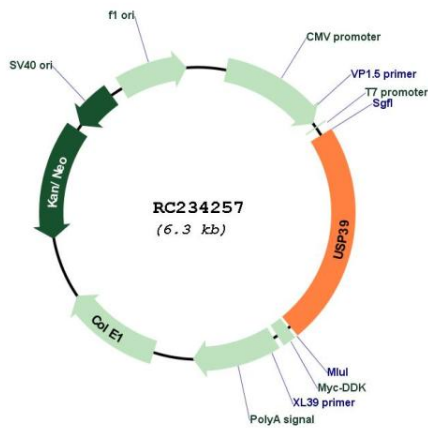
**RefSeq ORF:** 1467 bp

**Locus ID:** 10713

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

**Cytogenetics:** 2p11.2  
**Protein Families:** Protease  
**Protein Pathways:** Spliceosome  
**MW:** 56.8 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]

**Product images:**



Circular map for RC234257