

## Product datasheet for **RC232837**

### USP39 (NM\_001256727) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	USP39 (NM_001256727) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	USP39
Synonyms:	65K; CGI-21; HSPC332; SAD1; SNRNP65
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RC232837 representing NM\_001256727  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCTTACGGCGGTGCCTTCCCATCTTTTTCTGCAAAGAATGGCCGAGTGGATTCTGAGGACCGGAGGA  
 GCCGCCACTGCCGTACCTGGACACCATTAACAGGAGTGTCTGGACTTTGACTTTGAGAAACTGTGTTT  
 TATCTCCCTCTCACACATCAATGCTTATGCCTGTCTGGTGTGGCAAGTACTTTCAAGGCCGGGTTTG  
 AAGTCTCACGCCTACATTCACAGTGTCCAGTTTAGCCACCATGTTTTCTCAACCTCCACACCCTCAAGT  
 TTTACTGCCTTCCAGACAACTAGAGATCATCGATTCTCATTGGAGGATATCACGTATGTGTTGAAGCC  
 CACTTTCAAAAGCAGCAAATTGCAAACCTGGACAAGCAAGCAAATTGCCCGGCATATGATGGTACC  
 ACTTACCTGCCGGTATTGTGGGACTGAATAACATAAAGGCCAATGATTATGCCAACGCTGTCCTCAGG  
 CTCTATCTAATGTTCTCTCTCCGGAACACTTTCTGGAAGAAGACAATTATAAGAACATCAAACGTCC  
 TCCAGGGGATATCATGTTCTTGTGGTCCAGCGTTTTGGAGAGCTGATGAGAAAGCTCTGGAACCTCGA  
 AATTTCAAGGCACATGTGTCTCCCATGAGATGCTTCAGGCAGTTGTACTTTGCAGTAAGAAGACTTTTC  
 AGATCACCAAACAAGGAGATGGCGTTGACTTTCTGTCTTGGTTTCTGAATGCTCTGCACTCAGCTCTGGG  
 GGGCACAAGAAGAAAAGAAGACTATTGTGACTGATGTTTTCCAGGGGTCCATGAGGATCTTACTAAA  
 AAGCTTCCCCATCCTGATCTGCCAGCAGAAGAAAAGAGCAGTTGCTCCATAATGACGAGTACCAGGAGA  
 CAATGGTGGAGTCCACTTTATGTACCTGACGCTGGACCTTCTACTGCCCCCTCTACAAGGACGAGAA  
 GGAGCAGCTCATCATTCCCAAGTCCACTCTTCAACATCCTGGTAAGTTCAATGGCATCACTGAGAAG  
 GAATATAAGACTTACAAGGAGAACTTTCTGAAGCGCTTCCAGCTTACCAAGTTGCCTCCATCTAATCT  
 TTTGTATCAAGAGATTCACTAAGAACAACCTCTTTGTTGAGAAGAATCCAACATTTGCAATTTCCCTAT  
 TACAAATGTGGATCTGAGAGAATACTGTCTGAAGAAGTACAAGCAGTACACAAGAATACCACCTATGAC  
 CTATTGCCAACATCGTGCATGACGGAAGCCCTCCGAGGGCTCCTACCGGATCCACGTGCTTCATCATG  
 GGACAGGCAAATGGTATGAATTACAAGACCTCCAGGTGACTGACATCCTTCCCAGATGATCACACTGTC  
 AGAGGCTTACATTCAGATTTGGAAGAGGCGAGATAATGATGAAACCAACCAGCAGGGGGCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

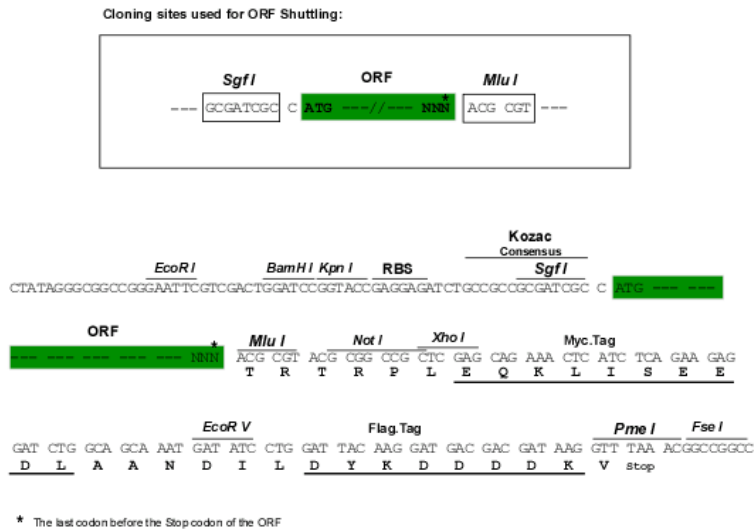
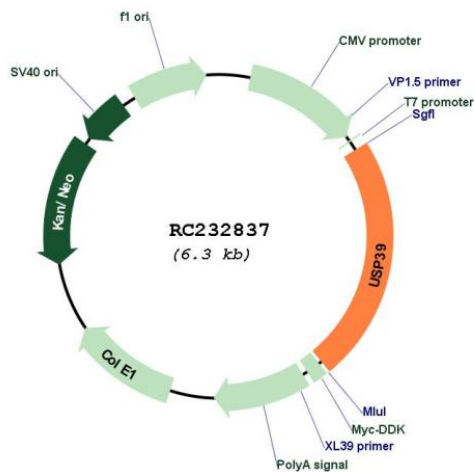
>RC232837 representing NM\_001256727  
 Red=Cloning site Green=Tags(s)

MLTAVPSHLFSKNGRVDSEDRSRHCPYLDITNRSVLDVDFEKLCSISLSHINAYAACLVCCKYFQGRGL  
 KSHAYIHSVQFHHVFLNLHTLKFYCLPDNYEIIDSSLEDITYVLKPTFTKQQIANLDKQAKLSRAYDGT  
 TYLPGIVGLNNIKANDYANAVLQALSNVPLRNYFLEEDNYKNIKRPPGDIMFLLVQRFGELMRKLNPR  
 NFKAHVSPHEMLQAVVLCSSKTFQITKQGDGVDFLSWFLNALHSALGGTKKKKKTIVTDVFGSMRIFTK  
 KLPHDPALPAEKEQLLNDEYQETMVESTFMYLTLDLPTAPLYKDEKEQLIIPQVPLFNILAKFNGITEK  
 EYKTYKENFLKRFQLTKLPPYLIFCIKRFKNNFFVEKNPTIVNFPITNVDLREYLSEEVQAVHKNTTYD  
 LIANIVHDGKPSSEGSYRIHVLHHGTGKWEYELQDLQVTDILPQMITLESEAYIQIWKRRDNDNETNQQA

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

**Plasmid Map:**

**ACCN:**

NM\_001256727

**ORF Size:**

1461 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).

<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_001256727.1</a> , <a href="#">NP_001243656.1</a>
<b>RefSeq Size:</b>	2183 bp
<b>RefSeq ORF:</b>	1464 bp
<b>Locus ID:</b>	10713
<b>UniProt ID:</b>	<a href="#">Q53GS9</a>
<b>Cytogenetics:</b>	2p11.2
<b>Protein Families:</b>	Protease
<b>Protein Pathways:</b>	Spliceosome
<b>MW:</b>	56.8 kDa
<b>Gene Summary:</b>	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]