

## Product datasheet for **MR208928**

### Usp39 (NM\_138592) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Usp39 (NM_138592) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Usp39
Synonyms:	AA408960; AI894154; CGI-21; D6Wsu157e; SAD1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR208928 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCTAGCCGGTCCAAGCGGCAGTCCCATGGTCCACCCGCGGGAAGCGTGAGTCCGAGTCTCGTGCCA  
 GCTCGGGTCGCATCAAGAAGGAGCGAGACCGTGAGAAGGAGCCGAGCGCGGAGCTCCCGGGTAGCCC  
 GGTCCGCGTGAAGCGGGAGGCCGAGCCGCTGCGCGAGAGGTCCCGCGCCCGCGCTCCCGTCTGTCGG  
 GTGAAGCGTGAGCGGAGGCCGATGAAGACTCGGAGCCGAGCGGGAGGTGCGAGCAAAGAATGGCCGAG  
 TGGATTCTGAAGACCGGAGGAGTCTGACTGCCGCTACTTGGATACCATTAATAGGAGTGTGCTGGACTT  
 CGACTTTGAGAACTCTGCTCCATTTCTCTCGCACATCAACGCATACGCCTGTCTGGTGTGTGGCAAG  
 TACTTTCAAGGCCGGGCTTAAAGTCTCATGCCTACATCCACAGTGTCCAGTTCAGCCACCATGTCTTCC  
 TCAACCTCCACACTCTCAAGTTTACTGCCTTCTGACAACATGAAATCATTGATTCTCGCTGGAGGA  
 TATCACGTATGTGTTGAAGCCTACTTTCAAAAGCAGCAAATTGCAAACCTGGATAAGCAAGCCAAATTG  
 TCCCGGGCATATGATGGCACCCTTACCTGCCAGGGATCGTGGGACTGAACAACATAAAAGCCAACGACT  
 ATGCAAATGCTGTGCTGCAAGGCTCTATCTAATGTCCCTCCTCTTCGGAACACTTCTCGGAGGAAGACAA  
 TTACAAGAATCAAGCGTCTCCGGGGGACATCATGTTCTTGTGGTTCAGCGTTTTGGAGAGCTGATG  
 AGAAAGCTCTGGAACCCCGAACTTCAAGGCGCATGTCTCTCCTCATGAGATGCTTCAGGCTGTGCTAC  
 TTTGCAGCAAGAAGACTTTCAAATACCAAACAAGGGGATGGAGTTGACTTCTGTCTTGGTTTCTGAA  
 TGCTCTGCACTCTGCTCTGGGAGGCACCAAGAAGAAGAAAAGACTATTGTGAATGATGTTTTCCAGGGA  
 TCAATGAGAATTTTCAAAAAAGCTTCTCATCTGATCTGCCAGCGGAAGAGAAGAGCAGCTGCTCC  
 ACAATGATGAGTACCAAGAGACGATGGTAGAGTCCACGTTTCACTGACGCTGGACCTCCACGCGC  
 CCGCTCTATAAGGATGAGAAGGAGCAGCTCATCCCCAGGTGCCTCTCTTCAACATCTGGCCAAG  
 TTCAACGCGCATCACGGAGAAGGAATACAAGACTTATAAGGAGAATCTTCTGAAACGCTTCCAGCTACCA  
 AGCTGCCTCCGTATCTAATCTTTTGCATCAAGAGATTTACTAAGAACAATCTTTTGTGGAGAAGAATCC  
 AACAAATTGCAACTTCCCTATCACAATGTGGATCTGAGAGAATACTTATCTGAAGAAAGTCCAAGCCGTC  
 CACAAGAACCACCTATGATCTCATCGCAACATCGTGCATGATGGCAAGCCCTCTGAGGGCTCTTACA  
 GGATCCACGTGCTTATCATGGGACTGGCAAGTGGTATGAATTACAAGACCTCCAGGTGACAGACATTCT  
 GCCCAGATGATCACACTGTCTGAGCGTACATTCAGATTTGGAAGAGCGGGACAATGATGAAACCAAC  
 CAGCAGGGGGCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR208928 protein sequence  
 Red=Cloning site Green=Tags(s)

MSSRSKRQSHGSTRGKRESESRGSSGRIKKERDREKEPEAASSRGSPVRVKREAEPAAAREVPAPALPVVR  
 VKREREADEDESEPEREVRANKRGRVDSERDRSRHCPYLDITNRSVLDLDFEKLCSISLSHINAYACLVCBK  
 YFQGRGLKSHAYIHSVQFSHHVFLNLHLTKFYCLPDNYEIIDSSLEDITYVLKPTFTKQQIANLDKQAKL  
 SRAYDGTTYLPGIVGLNNIKANDYANAVLQALSNVPLRNYFLEEDNYKNIKRPDIFLLVQRFGELM  
 RKLWNPRNFKAHVSPHEMLQAVVLSKKTFFQITKQGDGVDLFWFLNALHSALGGTKKKKTIIVNDVFGQ  
 SMRIFTKKLPHDLPAAEKEQLLHNDEYQETMVESTFMYLTLDLPTAPLYKDEKEQLIIPQVPLFNILAK  
 FNGITEKEYKTYKENFLKRFQLTKLPPYLIFCIKRFKNNFFVEKNPTIIVNFPITNVDLREYLSEEVQAV  
 HKNTTYDLIANIVHDGKPSSESYRIHVHGHGTGWYELQDLQVTDILPQMITLSEAYIQIWKRRDNDEN  
 QQGA

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_138592

**ORF Size:** 1695 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\\_138592.4](#)

**RefSeq Size:** 2237 bp

**RefSeq ORF:** 1695 bp

**Locus ID:** 28035

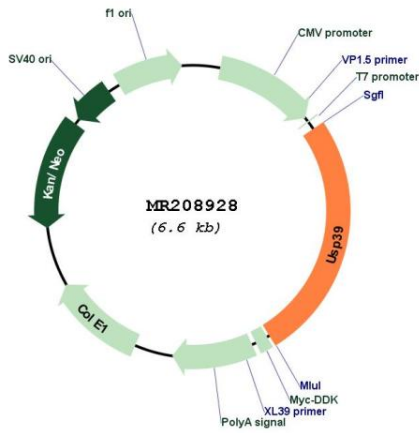
**UniProt ID:** [Q3TIX9](#)

**Cytogenetics:** 6 32.27 cM

**MW:** 65.1 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. Regulates AURKB mRNA levels, and thereby plays a role in cytokinesis and in the spindle checkpoint. Does not have ubiquitin-specific peptidase activity.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR208928