

Product datasheet for **MG208928**

Usp39 (NM_138592) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Usp39 (NM_138592) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Usp39
Synonyms:	AA408960; AI894154; CGI-21; D6Wsu157e; SAD1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG208928 representing NM_138592
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTAGCCGGTCCAAGCGGCAGTCCCATGGTCCACCCGCGGGAAGCGTGAGTCCGAGTCTCGTGGCA
 GCTCGGGTCGCATCAAGAAGGAGCGAGACCGTGAGAAGGAGCCGAGCGCGGAGCTCCCGGGTAGCCC
 GGTCCGCGTGAAGCGGGAGGCCGAGCCGCTGCGCGAGAGGTCCCGCGCCCGCGCTCCCGTCTGTCGG
 GTGAAGCGTGAGCGGAGGCCGATGAAGACTCGGAGCCGAGCGGGAGGTGCGAGCAAAGAATGGCCGAG
 TGGATTCTGAAGACCGGAGGAGTCTGACTGCCGCTACTTGGATACCATTAATAGGAGTGTGCTGGACTT
 CGACTTTGAGAACTCTGCTCCATTTCTCTCGCACATCAACGCATACGCCTGTCTGGTGTGGCAAG
 TACTTTCAAGGCCGGGCTTAAAGTCTCATGCCTACATCCACAGTGTCCAGTTCAGCCACCATGTCTTCC
 TCAACCTCCACTCTCAAGTTTACTGCCTTCTGACAATATGAAATCATTGATTCTCGCTGGAGGA
 TATCACGTATGTGTTGAAGCCTACTTTCAAAGCAGCAAATGCAAACCTGGATAAGCAAGCCAAATTG
 TCCCGGGCATATGATGGCACCCTTACCTGCCAGGGATCGTGGGACTGAACAACATAAAAGCCAACGACT
 ATGCAAATGCTGTGCTGCAGGCTCTATCTAATGTCCCTCCTCTTCGGAACACTTCTGGAGGAAGACAA
 TTACAAGAATCAAGCGTCTCCGGGGGACATCATGTTCTTGTGGTTCAGCGTTTTGGAGAGCTGATG
 AGAAAGCTCTGGAACCCCGAACTTCAAGGCGCATGTCTCTCCTCATGAGATGCTTCAGGCTGTCGTAC
 TTTGCAGCAAGAAGACTTTCAAATTACCAAACAAGGGGATGGAGTTGACTTCTGTCTTGGTTTCTGAA
 TGCTCTGCACTCTGCTCTGGGAGGCACCAAGAAGAAGAAAAGACTATTGTGAATGATGTTTTCCAGGGA
 TCAATGAGAATTTTCAAAAAAGCTTCTCATCTGATCTGCCAGCGGAAGAGAAGAGCAGCTGCTCC
 ACAATGATGAGTACCAAGAGACGATGGTAGAGTCCACGTTTCACTGACGCTGGACCTCCCGCCG
 CCGCTCTATAAAGGATGAGAAGGAGCAGCTCATCCCCAGGTGCCTCTCTTCAACATCTGGCCAAG
 TTCAACGCGCATCACGGAGAAGGAATACAAGACTTATAAGGAGAATCTTCTGAAACGCTTCCAGCTACCA
 AGCTGCCTCCGTATCTAATCTTTTGCATCAAGAGATTTACTAAGAACAATCTTTTGTGGAGAAGAATCC
 AACAAATTGCAACTTCCCTATCACAATGTGGATCTGAGAGAATACTTATCTGAAGAAAGTCCAAGCCGTC
 CACAAGAACCACCTATGATCTCATCGCAACATCGTGCATGATGGCAAGCCCTCTGAGGGCTCTTACA
 GGATCCACGTGCTTATCATGGGACTGGCAAGTGGTATGAATTACAAGACCTCCAGGTGACAGACATTCT
 GCCCAGATGATCACACTGTCTGAGGCGTACATTCAGATTTGGAAGAGCGGGACAATGATGAAACCAAC
 CAGCAGGGGGCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG208928 representing NM_138592
 Red=Cloning site Green=Tags(s)

MSSRSKRQSHGSTRGKRESESRGSSGRICKERDREKEPEAASSRGSPPVRVKREAPEAAREVPAPALPVVR
 VKREREADEDSEPEREVRANKGRVDSERDRSRHCPYLDTINRSVLDDFEKLCSISLSHINAYACLVCGK
 YFQGRGLKSHAYIHSVQFSHHVFLNLHTLKFYCLPDNYEIIDSSLEDITYVLKPTFTKQQIANLDKQAKL
 SRAYDGTTYLPGIVGLNNIKANDYANAVLQALSNVPLRNYFLEEDNYKNIKRPPGDIMFLLVQRFGELM
 RKLWNPRNFKAHVSPHEMLQAVVLSKKTQITKQGDGVDLFWFLNALHSALGGTKKKKTIIVNDVFQG
 SMRIFTKKLPHPDLPAAEKEQLLHNDEYQETMVESTFMYLTLDLPTAPLYKDEKEQLIIPQVPLFNILAK
 FNGITEKEYKTYKENFLKRFQLTKLPPYLIFCIKRFTKNNFFVEKNPTIVNFPITNVDLREYLSEEVQAV
 HKNTTYDLIANIVHDGKPSSESYRIHVHHTGKWEYELQDLQVTDILPQMITLSEAYIQIWKRRDNDEN
 QQGA

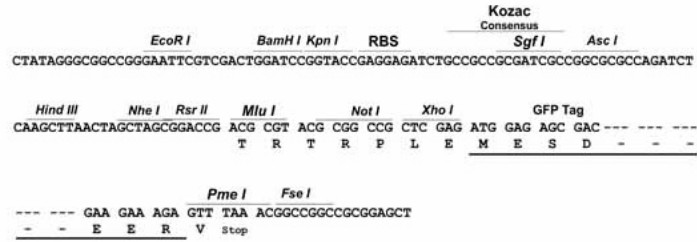
TRTRPLE - GFP Tag - V

Restriction Sites:

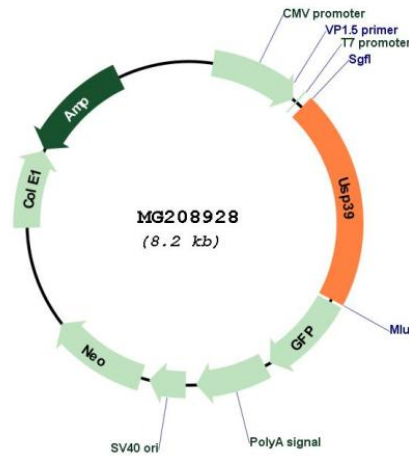
Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_138592

ORF Size: 1692 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:	<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:	NM_138592.4
RefSeq Size:	2239 bp
RefSeq ORF:	1695 bp
Locus ID:	28035
UniProt ID:	Q3TIX9
Cytogenetics:	6 32.27 cM
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]