

Product datasheet for **RR210115**

Usp39 (NM_001106597) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Usp39 (NM_001106597) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Usp39
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR210115 representing NM_001106597
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCTAGCCGGTCCAAGCGGCAGTCTCATGGTCTACCCGTGGGAAGCGCGAGTCCGAGTCTCGAGGTA
 GCTCGGGTCGCATCAAGAAGGAGCGAGACCAGGAGGAGCCGAGCGCGAGCTCCCGGGTAGTCC
 GGTCCGCGTGAAGCGGGAGGCCGAGCCGACTCCGCGAGAGGTCCCGCGCCCGTCTCCCGTTGTGCGG
 GTGAAGCGTGAGCGTGAGGCCGACGAGGACTCGGAGCCGAGCGGGAGGTGCGAGCAAAGAATGGCCGAG
 TGGATTCTGAAGACCGGAGGAGTCTGACTGTCCATACTTGGATACTATTAATAGGAGTGTGCTGGACTT
 CGACTTTGAGAACTCTGTTCCATTTCTCTCGCACATCAATGCATATGCCTGCCTGGTGTGTGGCAAG
 TACTTTCAAGGCCGGGTTAAAGTCTCATGCCTACATCCACAGTGTCCAGTTCAGCCACCATGTCTTCC
 TCAACCTCCACACTCTCAAGTTTACTGCCTTCTGACAATATGAGATCATCGATTCTCGCTGGAGGA
 TATTACATATGTGTTGAAGCCTACTTTCAAAAGCAGCAAATGCAAACCTGGACAAGCAAGCCAAATTG
 TCCCGGGCATATGATGGTACCCTTACCTGCCAGGGATTGTGGGACTGAACAACATAAAAGCCAACGACT
 ATGCAAATGCTGTGCTGCAGGCACTATCTAACGTTCTCTCTCGGAACACTTCTCGGAGGAGGACAA
 TTATAAGAATCAAGCGTCTCCGGGGATATCATGTTCTTGTGGTCCAGCGTTTTGGAGAGCTGATG
 AGAAAGCTCTGGAACCCCGAACTTCAAGGCACATGTTCTCTCATGAGATGCTTCAGGCCGTCGTAC
 TTTGCAGCAAGAAGACTTTCAAATACCAAACAAGGGGATGGAGTTGACTTCTGTCTTGGTTTCTGAA
 TGCTCTGCACTCAGCTCTGGGAGGCACCAAGAAGAAGAAAAGACTATTGTGAATGATGTTTTCCAGGGA
 TCAATGAGAATTTTCAAAAAAGCTTCTCATCTGATCTGCCAGCGGAAGAGAAGAGCAGCTGCTCC
 ATAATGAGGAGTACCAAGAGACAATGGTGGATCCACGTTTCACTGACGCTCGACTTCCCCTGC
 TCCACTCTATAAGGACGAGAAGGAGCAGCTCATTATCCCGCAAGTGCCACTCTTCAACATCTGGCCAAG
 TTCAACCGCATCACGGAGAAGGAATACAAGACTTATAAGGAGAATCTTCTGAAGCGCTTCCAGCTACCA
 AGCTGCCTCCATATCTAATCTTTTGCATCAAGAGATTTACAAAGAACAATCTTCTCGTGGAGAAGAATCC
 AACAAATGTCAATTTCCCTATCACAAATGTGGATCTGAGAGAATACTTATCTGAAGAAAGTCCAAGCAGTC
 CACAAGAACCACCTATGACCTCATCGCCAACATTGTGCATGATGGCAAGCCTTCTGAGGGCTCTTACA
 GGATCCATGTGCTTTCATCATGGGACAGGCAAGTGGTATGAACTACAAGACCTCCAGGTGACGGACATTCT
 GCCCAGATGATACCCTGTCTGAGGCGTACATTCAGCACATGCCTTCCCTTTCAGCATCAGCAGGCAGA
 ACTCTTACAGATGGATGCCTTATT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR210115 representing NM_001106597
 Red=Cloning site Green=Tags(s)

MSSRSKRQSHGSTRGKRESESRGSSGRICKERDREKEPEAASSRGSPPVRVKREAEPTPREVPAPVLPVVR
 VKREREADEDESEPEREVRKNGRVDSEDRRSRHCPLYDITNRSVLDLDFEKLCSISLSHINAYACLVCCK
 YFQGRGLKSHAYIHSVQF SHHVFLNLHTLKFYCLPDNYEIIDSSLEDITYVLKPTFTKQIANLKDQAKL
 SRAYDGTTYLPGIVGLNNIKANDYANAVLQALSNVPLRNYFLEEDNYKNIKRPPGDIMFLLVQRFGELM
 RKLWNPFRNFKAHVSPHEMLQAVVLCSSKTFQITKQGDGVDLFLSWFLNALHSALGGTKKKKTIIVNDVFG
 SMRIFTKLPHDLPAAEKEQLLHNEEYQETMVESTFMYLTLDLPTAPLYKDEKEQLIIPQVPLFNILAK
 FNGITEKEYKTYKENFLKRFQLTKLPPYLIFCIKRFTKNNFFVEKNPTIVNFPITNVDLREYLSEEVQAV
 HKNTTYDLIANIVHDGKPSGYSYRIHVLHHGTGKWEYLQDLQVTDILPQMITLSEAYIQHMPSLASAGR
 TLDGCLI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

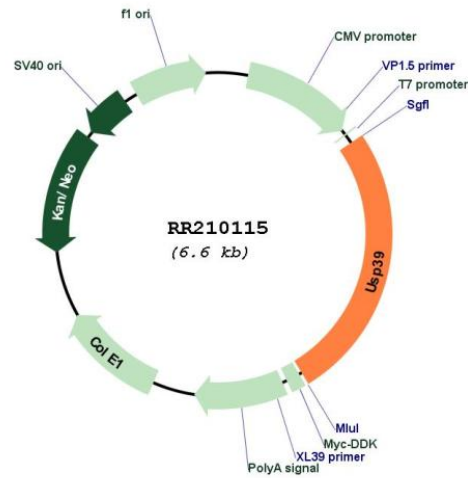
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:

NM_001106597

ORF Size:	1704 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_001106597.1 , NP_001100067.1
RefSeq Size:	1954 bp
RefSeq ORF:	1707 bp
Locus ID:	297336
Cytogenetics:	4q31
MW:	65.3 kDa