

## Product datasheet for **RR208915**

### Usp14 (NM\_001008301) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Usp14 (NM_001008301) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Usp14
Synonyms:	MGC95160
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR208915 representing NM\_001008301  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCCACTCTACTCTGTTACAGTAAAATGGGAAAGGAGAAAATTTGAAGGTGTAGAATTGAATACTGATG  
 AACCTCCAATGGTGTCAAGGCCAGCTTTTTGCATTGACTGGAGTCCAGCCAGCCAGACAAAAAGTTAT  
 GGTGAAAGGAGGAACCTGAAGGATGATGACTGGGAAACATCAAAATGAAAAATGGAATGACTGTACTA  
 ATGATGGGGTCAAGCAGATGCTCTCCAGAAGAACCCTCTGCTAAAAGTCTTCGTAGAAGACATGACAG  
 AAGAACAGTTAGCAACTGCTATGGAGTTGCCGTGGATTGACAAACCTCGGTAACACTTGTACATGAA  
 CGCTACAGTTCAGTGTATTCGCTCTGTGCCTGAACTCAAAGACGCCCTTAAAAGGTATGCAGGTGCCTT  
 AGAGCTTCAGGGGAAATGGCTTCAGCACAGTATATTACTGCAGCTCTTAGAGATTTGTTTGATTCCATGG  
 ATAAAACCTCTTCTAGTATCCACCTATTATTCTGCTGCAGTTTCTGCACATGGCTTTCCACAGTTTGC  
 AGAGAAGGGCGAACAAGGGCAGTATCTTACGAGGATGCTAACGAGTGCCTGGATACAAATGATGAGAGTC  
 CTGCAACAGAAACTAGAAGCCATAGAGGATGATTCTGCTAGAGAGACCGAGTCTTCATCTGCATCAGCAG  
 TCACACCTTCTAAAAAGAAAAGCTTAATTGATCAGTTTTTTGGTGTGAGTTGAAACTACCATGAAATG  
 TACAGAATCTGAAGAAGAAGAGGTACCAAAGGAAAGGAAAATCAACTTCAACTTAGTTGTTTCATTAAC  
 CAGGAAGTGAAGTATCTTTTACAGGGCTTAAATTGCGACTTCAGGAAGAAATTAATAACAGTCTCCAA  
 CATTGCAGAGAAATGCTTTGTACATCAAATCTTCTAAGATCAGCCGGCTACCTGCTTACTTAACATTTCA  
 GATGGTTTCGATTTTTTATAAGAGAAAGAATCTGTGAACGCCAAAGTCTTAAGGATGTTAAATTTCT  
 CTCATGTTGGATGTGTGAACCTCTGTACACCGAACTCAAGAGAAAATGATCTCTTTTCGGTCAAAAT  
 TCAAGGATCTAGAAGATAAAAAAGTGAATCAGCAACAAATGCAACGACAAGAATAGCTCTCCAAAAGA  
 GATTAAGTATGAACCCTTTTCTTTGCTGATGATATTGGCTCCAATAATTGTGGCTACTATGACTTACAA  
 GCAGTGTAACTACCAGGGAAGATCTAGTTCTTCGGGTCAATATGTATCATGGGTGAAAAGAAAAGAAG  
 ATGAATGGATCAAATTTGATGACGATAAGGTGAGCATTGTAACACCAGAAGATATTCTGCGACTGTCTGG  
 AGGTGGAGACTGGCACATTGCTTATGTTCTACTTTATGGGCTCGAAGGGTTGAAATAATGGAAGAAGAC  
 AGTGAACAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR208915 representing NM\_001008301  
 Red=Cloning site Green=Tags(s)

MPLYSVTVKWGKEKFEGVELNTDEPPMVFKALFALTGVQPARQKVMVKGGLKDDDWGNIKMKNGMTVL  
 MMGSADALPEEPSAKTVFVEDMTEEQLATAMELPCGLTNLGNTCYMNATVQCIRSVPELKDALKRYAGAL  
 RASGEMASQYITAALRDLFDSMDKTSSSIPPIILLQLHMAFPQFAEKGEQGQYLQDANECWIQMMRV  
 LQQKLEAIEDDSARETESSASAVTPSKKSLIDQFFGVEFETTMKCTESEEEEEVTGKQENQLQLSCFIN  
 QEVKYLFTGLKRLRQEEITKQSPTLQRNALYIKSSKISRLPAYLTIQMVRFYKEKESVNAKVLKDVKFP  
 LMLDVYELCTPELQEKMISFRSKFKDLEDKKNVQPNANDKNSPPEIKYEPFSFADDIGSNCGYYDLQ  
 AVLTHQGRSSSGHYVSWKRKEDEWIKFDDDKVSIIVTPEDILRLSGGGDWHIAYVLLYGP RRVEIMEED  
 SEQ

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

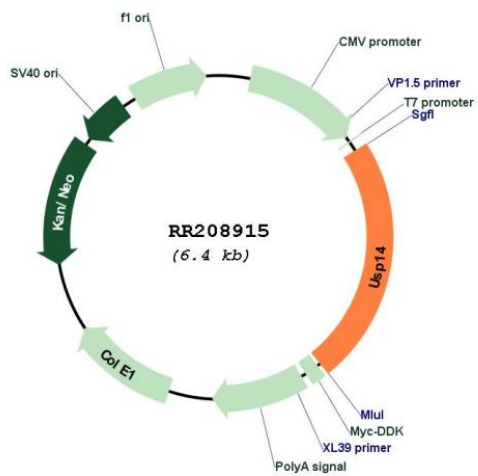
Cloning Scheme:

Cloning sites used for ORF Shuttling:



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

Plasmid Map:



ACCN: NM\_001008301

ORF Size: 1479 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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\\_001008301.1](#), [NP\\_001008302.1](#)

**RefSeq Size:** 2153 bp

**RefSeq ORF:** 1482 bp

**Locus ID:** 291796

**Cytogenetics:** 18p13

**MW:** 56 kDa