

## Product datasheet for **RR214856**

### Usp13 (NM\_001107665) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Usp13 (NM_001107665) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Usp13
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR214856 representing NM\_001107665  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCAGCGCCGGGCGCCCTGTTCAGCGTGCCGGTGGCGCGGGAAGATGGCTGCAGGGGACCTGGGTG  
 AGCTGCTGGTGCCTCACATGCCACGATCCGCGTGCCTAGGTCAGGGGACCGCGTCTACAAAAACGAGTG  
 CGCCTTCTCTACGACTCTCCGAACCTGAAGGTGGACTCTATGTATGCATGAATACATTTTTGGCTTTT  
 GGAAGGGAACACGTTGAAAGACATTTTCGAAAACTGGACAGAGCGTGTACATGCACCTGAAGAGGCACA  
 TGCGAGAGAAGGTAAGAGGAGCTTCTGGTGGAGCTTTACCCAAAAGGAGGAATCTAAACTATTTTTAGA  
 TCTAGATATGGATGACGATTTAAATAGTGACGATTACGAATATGAAGACGAAGCCAACTGTTATATTC  
 CCAGACCACTATGAAATAGCCCTTCTAACATTGAGGAGTTACCAGCCCTGGTAAACAATTGCTTGCAGT  
 CAGTGCTCAGCTCAAAGTCCCCGTATAGGAAGCAGGATCCAGACACGTGGGAAAACGAAGCTGCCAGTATC  
 GAAGTACGCCAACACCTCGTCAACTGGACAACGGGGTCAAGATTCTCCGAGTGGCTGGAAGTGTGCC  
 CGATGTGACCTGCGGGGAGAACCTCTGGTTGAATCTGACTGACGGCTCTGTTCTGTGTGGGAAGTGGTTTT  
 TTGACAGCTCGGGGGGAATGGCCATGCCTGGAGCATTACAGAGACATGGGCTATCCTCTGGCCGTGAA  
 GCTGGGACCATCACGCCTGATGGAGCAGATGTTTATTCTTTCAAGAAGAGGGGCTGTTTCGGATCCT  
 CATTTGGCCAAACACTTAGCACATTTTGGGATTGACATGCTCCACACACAAGGGACAGAGAATGGTTCC  
 GGGACAATGACATCAAGCTGAGAGTCAGCGAGTGGGAAGTGATCCAGGAGTCAGGAACCTAAGCTGAAGCC  
 AATGATAGGCCAGGGTACACGGGCTGAAGAACCTGGCAACAGTTGCTACCTCAGTTCTGTATGCAG  
 GCCATCTCAGCATCCCAGAGTTCAGAGAGCGTATGTAGGAAACCTCCCAAGGATATTTGACTACTCAC  
 CATTAGATCCAACGCAGGACTTCAACACACAGATGACTAAGTTGGGACATGGCCTCCTCTCTGGCCAGTA  
 CTGGAAGCCTCCAGTGAATCTGAGCTCATTGAACAGGTGATGAAGGAGGAGCACAAAGCCTCAGCAGAAT  
 GGGATCTCTCCAGAAATGTTCAAGGCCTTTGTGCAAGAGTCAACCAGAAATTTCTCCAAATAGACAGC  
 AGGATGCCAGGAGTTTTTCTTGCAATTTGGTTAATCTGGTAGAGAGGAATCGCATTGGCTCAGAAAACCC  
 AAGTGATGTTTTCCGGTTTTTGGTGGAAAGAGCGAATTCAATGCTGTGACACCAGAAAGGTCGGTACACA  
 GAGAGGGTGGACTACCTTATGCAGTTACCAGTGGCAATGGAGGCAGCAACCAACAAAGATGAGCTGATTG  
 CCTATGAACTAATGCGGAGGGAAGCAGAAACCAACAGGAGACCCCTTCCAGAGCTGGTACGAGCCAAGAT  
 CCCATTAGTGCCTGTCTCAGGCCTTTGCTGAACCAGACAATGTGGATGATTTCTGGAGCAGTGCCTCTG  
 CAGGCCAAGTCTGAGGGGTCAAACATCTCGCTTTGCCTCATTCCCTGAATACTGGTAGTGCAGATAA  
 AGAAGTTCACATTTTGGTCTTGACTGGGTTCCCCGAAAATTTGATGTTTCTATTGATATGCCAGATCTACT  
 AGATATACGCCATCTCAGAGCCAGGGGCTTGACGCCAGGGGAAGAGGAGCTTCTGACATCAGCCCCCCC  
 ATAGTCATTCTGATGACTCAAAGACCGCTTGATGAACCAGCTGATAGACCCCTCAGACATTGATGAGT  
 CCTCGGTGATGCAACTGGCTGAGATGGGCTTCCCTTTGGAGGCCTGCAGGAAGGCTGTGTACTTCACGGG  
 GAATACTGGAGCTGAGGTGGCCTTCAACTGGATTATCGTGACATGGAAGAGCCTGATTTTGTGAAACCA  
 CTGGCCATACCTGGGTATGGAGGGGCTGGGGCCTCGCCTTTGGTGTACTGGACTGGACAACCAACCTC  
 CTGAGGAAATCGTAGCTATTACTGCCATGGGATCCAGCGCAGTCAGGCGGTACAGGCTCTACAAGC  
 CACGAACCATAACCTGGAAAGAGCACTGGACTGGATCTTCAGCCACCCTGAGTTTGAAGAGGACAGTGC  
 TTTGTATCGAGATGGAGAACAATGCGAATGCAAAACATCATGTCTGAGGCCAAGCCAGAGGGGCCAGAG  
 TCAAGGATGGGTCTGGAATGTATGAGTTGTTGCGTTCATCAGTCACATGGGAACATCTACGATGAGTGG  
 CCATTATGTTGCCATATCAAGAAGGAGGGACGATGGGTGATCTACAATGACCACAAAGTTTGTGCCTCA  
 GAAAGGCCCCCAAGACCTGGGATATATGTACTTTTACCGCAGGATACCAAGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR214856 representing NM\_001107665  
Red=Cloning site Green=Tags(s)

MQRREGALFSVPGGGGKMAAGDLGELLVPHMPTIRVPRSGDRVYKNECAFSYDSPNSEGGLYVCMNTFLAF  
GREHVERHFRKTGQSVYMHKRRHMREKVRGASGGALPKRRNSKFLDLDMDDDLNSDDYEYEDAKLVIF  
PDHYEIALPNIEELPALVTIACDAVLSSKSPYRKQDPDTWENELPVSKYANNLVQLDNGVRIPPSGWKCA  
RCDLRENLWNLTDGSVLCGKWFDDSSGGNGHALEHYRDMGYPLAVKLGITPDGADVYSFQEEGPVSDP  
HLAKHLAHFGIDMLHTQGTENGFRDNDIKLRVSEWEVIQESGTLKPMYGPYGLKLNLSYCYLSSVMQ  
AIFSIPEFQRAYVGNLPRIFDYSPLDPTQDFNTQMTKLGHGLLSGQYSKPPVKSELIEQVMKEEHKQQN  
GISPRMFKAFVSKSHPEFSSNRQQDAQEFFHLVNLVERNRISENPSDVFRFLVEERIQQCQTRKVRYT  
ERVLYMLQLPVAMEAATNKDELIAYELMRREAETNRRPLPELVRAKIPFSACLQAFAPDNVDDFWSSAL  
QAKSAGVKTSRFASFPEYLVVQIKKFTFGLDWVPRKFDVSDMPDLDLISHLRARGLQPGEEELPDISPP  
IVIPDDSKDRMLNQLIDPSDIDESSVMQLAEMGFPLEACRKAVYFTGNTGAEVAFNWIIVHMEEPDFAEP  
LAIPGYGGAGASAFGATGLDNQPPEEIVAITAMGFQRSQAVQALQATNHNLERALDWIFSHPEFEEDSD  
FVIEMENNANANIMSEAKPEGPRVKDGGSGMYELFAFISHMGTSTMSGHYVCHIKKEGRWVIYNDHKVCAS  
ERPPKDLGYMYFYRRIPS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI

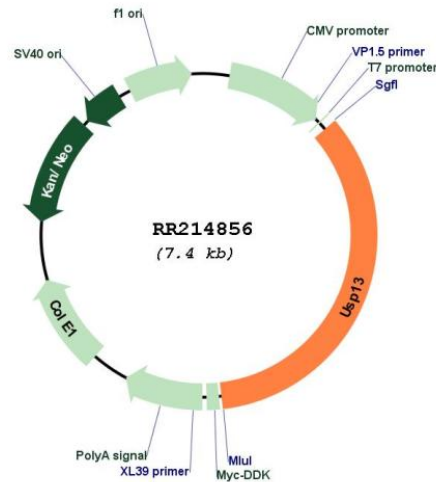
Cloning Scheme:

Cloning sites used for ORF Shuttling:



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

## Plasmid Map:



ACCN: NM\_001107665

ORF Size: 2574 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\\_001107665.1](#), [NP\\_001101135.1](#)

RefSeq Size: 5043 bp

RefSeq ORF: 2577 bp

Locus ID: 310306

Cytogenetics: 2q24

MW: 96.7 kDa