

Product datasheet for **RR205487**

Usp8 (NM_001106502) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Usp8 (NM_001106502) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Usp8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR205487 representing NM_001106502 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCTGCTGTAGCTTCAGTTCCTAAAGAACTCTACCTCAGTTCTTCACTCAAAGACCTCAATAAGAAGA
CAGAAGTTAAACCTGAGAAAACCAGCACCAAGAATTATACACAGCGCTCAGAAGATTTCAAGGCAGC
AGAAGAATGCAGACTAGATCGTGATGAGGAAAGGGCCTATGTGCTTTATAGAAATATGTGGCGGTTTAT
AATCTTATCAAAAAGAGACCTGATTTCAAGCAACAGCAGGACTATTACCTTTCAACTTTGGACCTGCAA
ACATCAAAAAGGCTATTGAAGAAGCTGAAAGACTCTCTGAGACCTCAAACCTGAGATACGAAAGGCTGA
AGTTCCGAAACAGCTTGAAGAAAAGGACAGACGGGAGGAAGAACAGCTGCAGCAACAGAAAAGGCAGGAG
ATGGGAAGAGAGGATAGTGGTGCAGCGGCCAAACGCTCCGTGAAAATTTACTGGATTCCAAAACAAAA
TCCAAAGGGTCAATGGAGAGAAGAGCGAAGGAGGTGCAGCAGCAGAGAGAGGAGCAGTCACAGCAAAGGA
GCTATATACAATGATGATGGATAAAAAACAAGCCTGATTATAATGGATGCTCGGAAAAACAGGATTAT
CAGCATTCTGTATCTTGGGCTCTCTCAGTGTTCCTGAAGAAGCTATCAGTCCAGGAGTCACTGCCAATT
GGATTGAAGCAAAGCTTTCAGATGATTCTAAAGACACGTGAAAAAAGGGGAGTGTGGACTATGTGGT
CCTGCTGGACTGGTTTAGTTTCAGCGAAAGATTTGCTGCTCGGACCACGCTACGGAGTCTGAAAGATGCT
CTTTTCAAGTGGAAAGTAAAGTGTCTGCACCATGAGCCCTTGGTGTGGAGGGCGGCTATGAGAAGT
GGCTCCTGTGCTATCCACAGTTCACAACAAATGCTAAGGTTACTCCACCCCTCGGAGCAGGCCTGAAGA
GGTGTCTGTCTCATTGGATTTACTTATCCCTCACTGGAAGAACCAGTTCCTTCCAACTTCTGCCAG
ATGCCACCTCCTCTTTAGAAGCAAATGAGAAGGCACAGTTGGTAACTGATCAAGATGGTAAACCGAGAC
CGTTAGTCCAGTCGGCTCTAGCCGGACCCAGTGTGGTCCCAAAGCTGAAGCTTCAACCCATAATTCAGCC
AGTGCCTGCTACAAAAGATGTTCCACAGGTTGATCGTACAAAAAACAGCAGTTAAGTTGCCTGAAGAT
CATAGAATGAAATCTGAAAGTACAGATCAGAGTGAAGAGTTCCTTCTGACCGATCCACCAAGCCAGTAT
TTACCTCTCCAGCCACCATGCTAACAGATGAAGAAAAGGCTCGCATTATGAAGAAAACAGCCCTTCTTAT
GGAAAAGAAATAGACAGGAGAAGGAAGTGTGGAAAGGCAGCAGAAGGAACAGAAAAGAGAGCTGAGAAGG
GAGGAACAAGAGCGCAAAGCTGGAAAGACCCAGGATGCAGAAGAACGGGACTTCACTGAGAAATCAGCACA
AAGCAAAGGATGGACAAGAGAAGAGAGACGCAACAGACCAAGGCAGAAGACAGAGAGCCCCAGCAGA



[View online >](#)

TGGGGCCAGGACGCCACAGGAACGCAAAGACAAAGTAAGAGTGAACACGATGCTTCCGATGCTAAGGTA
TCTGTGGAAGGTAAAAGGTGCCATGTGAGAAGTGCAGAAGAGGCCAGCAGATGTGTCGTGTCATCCT
CCATGTCGGGAGAGCTGAGTGCAGGCAAGGCTCAGCGAGAACCTTTGACAAGAGCAAGAAGTGAAGAAAT
GGGAGAAATTGTCCAGGACTGCCTTTAGGCTGGGCAAGTTTCTTGATCCAATCACTGGGACTTTTCGT
TACTACCATTACCCACAACACGGTTCACATGTATCCGCTGAGATGGCTCCTTCGTCTGTGCCTCCT
CCACCCCTCCCCTCACAAGTCAAGCCCCAGATCCCTGCTGAGCGGGACAGGGAGCCATCCAACTGAA
CGCTCCTACTCCTCACCAGACATCACTCAGGCCCTGCAGGAGGAGGAGAAGAGGAGGCCAGCTGACC
CCGACAGTCAACCGGAGAAACAAGCCCGCTGTTACCCTAAAGCTGAGATCTCGAGGCTTTCTGCTTCTC
AGATTCGGAACCTCAATCCCGTTTTTGGAGGATCTGGACCAGCTTACTGGACTTCGTAATTTGGGAAA
TACTTGTACATGAACTCAATATTACAGTGCCTGTGCAATGCTCCACATTTGGCTGATTATTTCAACCGA
AACTGCTACCAGGACGATATCAACAGGTCAAATTTGTTGGGCATAAAGGTGAAGTGGCAGAAGAAATTTG
GTATAATCATGAAGGCACTGTGGACAGGACAGTATAGATACATCAGTCCAAAAGACTTTAAAGTCCCAT
TGGTAAGATTAATGACCAGTTTGCAGGATCCAGCCAGCAAGATTCACAAGAGCTGCTGCTTTTCTCATG
GATGGCCTCCACGAGGATCTAAATAAGGCTGACAAATCGGAAGAGGCATAAGGAAGAGAACAATGACCACC
TCGATGACTTTAAAGCGGCAGAACATGCCTGGCAGAAGCACAAGCAGCTCAATGAGTCCATTATTGTCGC
ACTCTTTTCAGGGTCAGTTCAAATCCACAGTGCAGTGCCTCACCTGTACAAGAAGTCTCGGACATTCGAG
GCTTTTATGTATTTGCTTTGCCACTAGCATCCACAAGTAAATGTACTTTACAGGACTGCCTTAGATTAT
TTTCAAAGAAGAAAAGCTTACAGATAACAACAGATTTTACTGCAGCCATTGCCGAGCTCGGCGGGATTC
TCTAAAGAAAATAGAAATCTGGAATTTGCCCTCTGTGCTGTTAGTACACCTGAAACGATTCTCCTATGAC
GGCAGGTGGAAGCAGAACTGCAAACGTCCTGGATTTCCATTAGAAAATCTTGACCTGTCACAGTATG
TTATTGGCCAAAAGCAGTTTGAAGAAATAACTTGTCTTTCTGTTTCAAACACTACGGCGGGCTCGA
TGGAGGCCACTACACGGCCTATTGTA AAAACGCGGCGAGGCAGCCTGGTTTAAAGTTTATGACCACGAG
GTTTCGGACATCTCCGTGCTTCTGTGAGGTCGTCAGCAGCTTATATCTGTTTTACACCTCCCTGGGC
CACGCGTGACTGAGGCAGCCACA

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTAA

Protein Sequence:

>RR205487 representing NM_001106502
Red=Cloning site Green=Tags(s)

MPAVASVPKELYLSSSLKDLNKKTEVKPEKTSTKNYIHSAQKIFKAAEECRLDRDEERAYVLYMKYVAVY
NLIKKRPDFKQQDYLSILGPANIKKAIIEEAERLSESLKLRYEAEVRKQLEEKDRREEEQQQKQRE
MGREDSGAAAKRSVENLLDSKTKIQRVNGEKSEGGAAERGAVTAKELYTMMMDKNTSLIIMDARKIQDY
QHSCILGSLVPEEAI SPGVTANWIEAKLSDDSKDTWKKRGSVDYVLLDWFSSAKDLLLGTTLRSLKDA
LFKWEKAVLHHEPLVLEGGYENWLLCYPQFTTNAKVTPPPRSRPEEVSLSLDF TYP SLEEVPSKLP AQ
MPPPPLEANEKAQLVTDQDGKPRPLVQSALAGPSVAPKAEASPIIQPVPATKNVPQVDRTKKPAVKLPED
HRMKSESTDQSGRVLSDRSTKPVFTSPATMLTDEEKARIHEETALLMEKNRQEKELWERQQKEQKEKLR
EEQERKAGKTQDAEERDFTENQHKAKDGQEKRDSKQTKAEDREPPADGAQDATGTQRQSKSEHDASDAKV
SVEGKRCPMSEVQKRPADVSSASSMSGEL SAGKAQREPLTRARSEEMGRI VPGLPLGWAKFLDPI TGTFR
YYHSPTNTVHMYPPEMAPSSVPPSTPPTHKVKPQIPAERDREPSKLRKRSYSSPDITQALQEEERRP AVT
PTVNRNKPCCYPKAEISRLSASQIRNLNPVFGGSGPAL TGLRNLGNTCYMNSILQCLCNAPHLADYFN
NCYQDDINRSNLLGHKGEVAEEFGIIMKALWTGQYRYSKPKDFKVTIGKINDQFAGSSQQDSQELLLFLM
DGLHEDLNKADNRKRHKEENNDHLDFFKAAEHAWQKHKQLNESIIVALFQGQFKSTVQCLTCHKKSRTFE
AFMYLSLPLASTSKCTLQDCLRLF SKEEKLTDNNRFYCSHCRARRDSLKKEIWKLPVLLVHLKRF SYD
GRWKQLQTSVDFPLENLDLSQYVIGPKSSLKKNLFSVSNHYGGLDGGHYTAYCKNAARQRWFKFDHDE
VSDISVSSVRSSAAYILFYTSLGPRVTEAAT

SGPTRRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/ja3422_c03.zip

Restriction Sites:

Sgfl-RsrII

Cloning Scheme:


ACCN: NM_001106502

ORF Size: 3243 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 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](#)

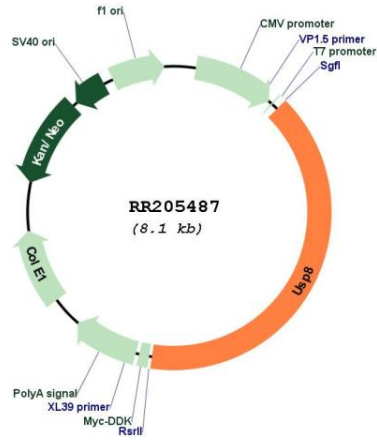
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001106502.1, NP_001099972.1
 RefSeq Size: 4065 bp
 RefSeq ORF: 3246 bp
 Locus ID: 296121
 Cytogenetics: 3q36
 MW: 122.6 kDa

Product images:



Circular map for RR205487