

Product datasheet for **RN217308**

Usp33 (NM_001191094) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Usp33 (NM_001191094) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Usp33
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN217308 representing NM_001191094
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACGACTTTTCGAAATCATTGTCACATTTGGATTGAGTTGGTAAATACAAAAGAGGATTTGATAC
 AAAAATCTCATGGTGCTTGTGAGGACTGTAAGTCAGAGGACCAACCTGTGGGCATGCCTAGAGAATAG
 GTGTTCTATGTTGGCTGCGGGGAGTCACAAGATCATAGCACCATACACTCGAAGAAGACAAAGCATTAT
 CTAAGTGTGAACCTCACCACCCTTCGAGTATGGTGTATGCTTGCAGCAAAGAAGTATTCTTGGATAGAA
 AATTAGGAACTCCTCCTTATTACCTCATGTAAGACAGCCTCAACAAACACAAGAAAACAGTGTCCAGGA
 TTTTAAAATACCCAGTAATACAGCATTGAAAACCCCTCTGGTTGCTGATTTGAAGATCTGGATATAGAA
 GTGGAAGAGGAAGATGAGCTGAAGGCTAGAGGCCTGACAGGTTTAAAAACATTGGAAATACTTGTCTATA
 TGAATGCCGCTCTGCAAGCTCTCTAACTGCCACCTTTGACACAGTTCTTTCTTGATTGTGGAGGACT
 GGCTAGAACAGATAAGAAACCAGCCATTTGTAAGTTATCTCAAATAATGACAGAATTGTGGCACAAG
 AGCAGGCCAGGATCTGTTGTGCCTGCTAATCTGTTCCAAGGAATTAACCTGTAATCCTTTCGAG
 GCTATTCTCAGCAGGATGCCAGGAATTCCTTCGCTGTTAATGGATCTGCTTATGAAGAGTTGAAGGA
 GCAGGTGATGAAATAGAGGAAGAGCCTCAAGCACTAACTTCTGAGGAGACAGTGGAGGAAGAGAAGAGC
 CAGTCAGATGTGGATTTTCAGTCTGCGAGTCACTGTAGCAGCAGCAGTGAGAAAGGGGAAAATGAGAGTG
 TCTCTAAGGGCGGCCCTGAAGACAGCACTGAGACCACCATGCTCATTGAGGATGAGGAGGACCTAGAGAT
 GGCCAAAGACTGGCAAAAAGAGAAGATGTGAACAAGAGCAACAAAGCAGATTCTGACGGAGAACCAGGAT
 AAAGACAGAGACACGGTGTGTGAACAGTTGACCTAACAGCCAGGAGACCGTCAAGGTGCAGATACACG
 GCAGAGCCTCAGAATATACACTGATGTCCATTTGAATGACCTATCTACACCACAGATCCTCCATCAAA
 TGAAGTGTAAATCCACGTTTATCAGCAAGTCTCCTAAGTCAGGCAATCTGTGGCCAGGATTGACACCT
 CCACACAAGAAAGCTCAGTCTTCTCCTCAAGAGGAAAAGCAGCATAAGAAGTACAGAAGTGTATCT
 CTGACATATTTGATGGGACAATCATTAGTTCAGTACAGTGTCTGACGTGTGATAGGGTGTCTGTAACCT
 CGAGACCTTTGAGGATCTGCTCTGCGGATTCCTGGCAAGGAAGACCTGGCTAAGCTGCACTCCTCCAGT
 CACCCAACTATAGTCAAAGCAGGGTGTGTGGCGAAGCCTACGCTCCACAGGGTGGATAGCTTTCTTCA
 TGGAGTACGTGAAGAGCTGGTTTTGGGGTCCAGTAGTAACCTTGAAGATTGTCTTGCTGCCTTCTTCGC
 CAGAGATGAACCTAAAGGTGATAATATGTACAGTTGTGAAAAATGCAAAAAGTTGAGGAATGGAGTAAAG
 TTTTGTAAAGTACAAAAGTTTCTGAGATTTTGTGTATCCACCTAAAAGATTTGACATGAACCTGATGT
 TTTCCACCAAAATTAGCACCCATGTTTCTTCCCCTGGAAGGCCTGGACCTTCAGCCATTTCTTGCAAA
 GGATAGCCAGCTCAGATCGTGACATATGATCTCCTGTGACATCTGTGATCATGGGACTGCAAGTAGT
 GGGCACTACATTGCCTACTGCAGAAACAATTTAAATAACCTGTGGTATGAGTTTGTGACAGAGCGTCA
 CTGAAGTTTCAGAGTCCACCGTACAGAAATGCCGAAGCCTACGCTCTTTTCTACAGGAAGAGCAGTGAAGA
 GGCACAAGGGGAGAGGCGAAGGATATCCAATTTGTTGAACATAATGGAGCCAAGCCTCCTTCAGTTCTAT
 ATATCTCGACAGTGGTTGAATAAATTTAAGACCTTTGCTGAACCTGGCCCTATTTCAAATAATGACTTTC
 TCTGTATTGAGGATTTCTCCACGAAAAGCAAGTTATATTGAAGACTTAGTTTTGATGCTGCCTCA
 GAACATTTGGGATAACCTCTACAGCAGGTATGGAGGAGGCGCTGCTGTCAACCACCTTACATTTGTCAC
 ACTTGCCAAATGAGGCAGAGAAGATTGAAAAACGAAGAAAAACTGAATGGAAATTTTTATTTCGGCTCA
 ACAGAGCATTTCAAGAGGAAGACTCTCCAGCTACTTTTTACTGTATCAGCATGCAGTGGTTAGAGAATG
 GGAGAGTTTTGTAAGGATCCTCCAGGTCCAATAGACAACACTAAAATTGCAGTCACTAAGTGTGGTAAT
 GTGATGCTCAAGCAAGGAGCAGATTCTGGTCAAATTTGAGAAGAAACATGGAATTTCTGCAATCTATAT
 ATGGTGGGGACCTGAAGTTATCCTCCGACCTCCAGTTGTTGATGTTGACCCTGATGCACACAAAGCAGA
 GAAAAGATTGAAGTAGAACTCGCTCTTTG**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001191094

Insert Size:	2694 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001191094.1, NP_001178023.1</u>
RefSeq Size:	3637 bp
RefSeq ORF:	2694 bp
Locus ID:	310960
Cytogenetics:	2q45