

Product datasheet for **RR206610**

Usp44 (NM_001108083) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Usp44 (NM_001108083) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Usp44
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR206610 representing NM_001108083
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATAGGTGCAAGCACATTGAGCAGCTGCAGCTTGCTCAAGGACATTCATCCTCAACCCCTCAGAAAT
 GGTTCGTCATGGTCTGCAATACAACGGAGTCCATTTGGGCTTGCCCTCAGCTGTTCCACGTCGCCTGTGG
 GCAGTATATCCAAGAGCACGCACTGAAGCACTTTGAAGAAAGCAGCCATCCCGTGGCCTTTGAGGTGAAT
 GACATGTATGTTTTTTGTATCTTTGTAACGATTATGTCCTAAACGATAACACAGCCGGAGATCTGAAGT
 CACTACGAAGTACACTAAGTGAATCAAAGGTAAGGTTACCCTTGTGTGGTTCAGAGTGACTCGGTCTT
 ACAGCCTGTGAATGCGCAGGCCGATTCTACTCCCTACACGACAGCACCCAGTCTCTGCCTGGAAGTGAA
 GATCCGATGTGCACTGCCCTCTGGCACAGGAGACGTGCGCTCATGGGAAAAACCTTCGAACTTGGTTTG
 AACAGTACCCGATTGGAAGGAAAAGGCAAGAGCAAACCTCAGGAGAAAACGGTAGCCAAGAGAGAGGTGAA
 GAGAAGGCAGCAGGAGTTAGAACAGCAGATGAAAGCTGAGCTGGAATGCACTCCTCCGCGAAAGAGTTTA
 CGCTTACAAGGCCTCTCCGAGGCCGCCACGGTTCGAAATCCTTCCGGTGCAGGCACCGCCGCACCTCCAG
 CGTCCCCAGCGAAGGAGAAAGCCTTAGCGCTACCTCCCTCGGAAGACGGGAAACTTAAAAGAGTAAGTGA
 CTCCTTAATCAAACGAAGGCCCGCGTAACCTCGGTGTAACCGGACTGAGAAATTTAGGAAATACTTGC
 TATATGAATTCGTTCTTCAAGTGTGAGTCATTTACTCATTTTTTCGACAATGTTTTTAAAGCTTGACC
 TGAACCAATGGCTGGCTGTGGCTGCCAGCGATAAAGCCCGATCCTATAAGCACTCAGCCGTCACGGATGC
 CGCGACAGCGCGGCACATCAGCTGAACGAAGGCAAGAGAAGGAGAAAGGCTTCGCGTGTCCAGACAC
 CCGGGTTTATCTTCAGGCCTAAGCGGAGGAGCCTCAAAGGTCGGAACATGGAGCTCATTACGCCAAGGG
 AGCCCAGTCCCGTACAGTTCTCTCTGCCATGAATTGCACACCCTGTTCCAAGTCATGTGGTCCGGGAGA
 GTGGGCCCTGGTCTCGCGTTTGCCATGCTTCACTCAGTGTGGAAGCTGATCCCTGCTTTCCGTGGTTAC
 GCCCAGCAAGATGCGCAGGAATTTCTTTGTGAACCTCTGGATAAGATACAGCGAGAACTAGAGACAACCG
 GAACCAAATTACCAGCTCTCATCCACCTCCCAAAGGAGGCTCATTGAGCAAGTCTGAACGTCGTAA
 TAACATTTTTACGGACAACACTTAGTCAGGTATGGATTTCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR206610 representing NM_001108083
 Red=Cloning site Green=Tags(s)

MDRCKHIEQLQLAQGHSILNPQKWFMCVNTTESIWACLSCSHVACGQYIQEHALKHFEESHPVAFEVN
 DMYVFCYLCNDYVLNDNTAGDLKSLRSTLSAIKGSYPCVVQSDSVLQPVNAQADSYSLHDSTQSLPGSE
 DPMCTALWHRRRALMGKTFRTWFEQSPIGRKRQEQTQEKTVAKREVKRRQEELEQQMKALECTPPRKS
 RLQGLSEAATVEILPVQAPPPPPASPAKEKALALPPSEDGKLRVSDSLIKRRPAVTPGVTGLRNLGNTC
 YMNSVLQVLSHLLIFRQCFLLDLNQLAVAASDKARSYKHSVTDAAATAAHQLNEGQEKEKGFACSRH
 PGLSSGLSGGASKGRNMELIQPREPSSPYSSLCHLHTLFQVMWSGEWALVSPFAMLHVSVKLIPAFRGY
 AQQDAQEFLCELLDKIQRELETTGKLPALIPTSQRRLIEQVLNVVNNIFHGQLLSQVWIS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

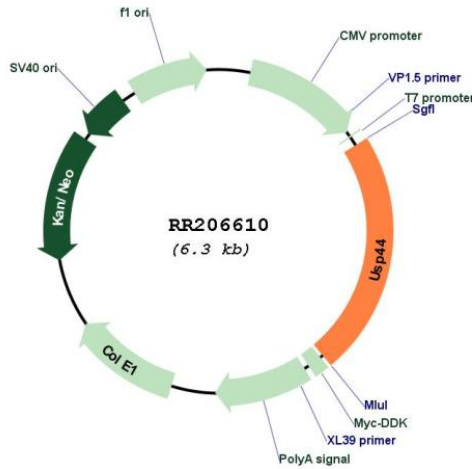
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001108083

ORF Size: 1443 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_001108083.1](#), [NP_001101553.1](#)

RefSeq Size: 2664 bp

RefSeq ORF: 1446 bp

Locus ID: 314746

Cytogenetics: 7q13

MW: 53.9 kDa