

Product datasheet for **RR200044**

Usp9x (NM_001135893) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Usp9x (NM_001135893) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Usp9x
Synonyms:	RGD1560056
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR200044 representing NM_001135893 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACAGCCACGACTCGTGGCTCTCCAGTTGGAGGGAATGACAACCAGGGCCAAGCTCCTGATGGACAGT
CTCAGCCCCCCTCCAACAGAATCAGACTTCATCGCCTGATTCATCCAATGAAAATCCCCTGCAACTCC
TCCTGATGAGCAAGGCCAAGGTGATGCTCCTCCCAGATTGAAGATGAGGAACCTGCATTCCACACACT
GACCTGGCAAAGTTAGATGATATGATCAACAGGCCTCGTGGTCTCCAGTTTTGCCAAAGGGGAAT
TAGAAGTGCTTTTAGAAGCTGCTATTGATCTTAGTAAGAAAGGCCTTGATGTCAAAGTGAAGCATGTCA
GAGATTTTTCCGAGATGGGCTAACAAATCTATTACAAAAATCCTTACAGATGAAGCAGTGAAGTGGCTGG
AAGTTTGAATTCATAGATGTATTATTAACAATACTCATCGCCTGGTGGAGCTGTGTGGCTAAGTTAG
CCCAAGACTGGTTCCACTTCTAGAACTTCTGGCATGGCCTTAAATCCTCATTGCAAAATCCATATCTA
CAATGGTACACGTCCTGCGAGTCAGTGTCTCAAGTGTTCAGTTGCCTGAAGATGAAGTCTTTGCTCGT
TCTCCAGACCCTCGATCACAAAAGGTTGGCTAGTGGATCTCCTCAACAAATTTGGCACTTTAAATGGAT
TCCAGATACTGCATGATCGTTTTATTAATGGATCAGCATTAAATGTTTCAAGATAATGCAGCCCTTATTA
ACCATTTGGACAGTGTATGAGTTTCTTACTCTCACACGGTGAAAAAATACTTTCTTCCAATAATAGAA
ATGGTTCCACAGTTTTTAGAAAACCTAAGTGAAGAGCTGAAGAAAGAAGCAAGAATGAAGCCAAAA
ATGATGCTCTCAATGATTATTAATCATTGAAGAGTTTAGCTTACAGATTCCCTGGACAGGAAGAAAC
TGTAAGAAGCTTGAAGATATTTAGGTTAAAAATGATACTTAGATTATTGCAAATTTCTTCTTCAATGGA
AAGATGAATGCACTGAATGAGGTTAATAAGGTGATTTCCAGTGTGCATACTATACCCATCGGCATGGCA
GTTCTGAGGAAGAAGAGTGGCTCACAGCAGAGAGGATGGCTGAATGGATACAGCAGAACAATATTTTATC
AATAGTTTTACGAGATAGTCTTCAACACAGTATGTAGAGAACTAGAAAAGATTCTTCGTTTGTGTC
ATAAAAGAAAAAGCTCTGACCTTGAAGATCTTGATAATATCTGGGCAGCACAGGCAGGGAACATGAAG
CCATCGTAAAGAATGTCCATGATCTACTGGCCAAATGGCATGGGATTTTTCTCCTGAACAACCTTGATCA
TCTTTTGTATTGCTTTAAGGCCAGTTGGACAAATGCAAGTAAAAAGCAACGTGAAAAGCTCCTTGAGCTG



ATTCGTCGCTTGCAGAAGATGATAAAGATGGTGTGATGGCACATAAAGTGTGAACTTCTGTGGAATC
 TAGCTCACAGTGTATGTGCTGTGGATATCATGGACTTGGCTCTCAGTGCTCACATCAAAATACTAGA
 TTATAGTTGCTCCAGGACCGGGACACAAAAGATCCAGTGGATAGATCGCTTCATAGAAGAACTTCGC
 ACAAATGACAAGTGGGTCACTTCTGCACTGAAACAAATAGAGAAATTTGCAGTTTGTGGTGAAGCAC
 CTCAAAATTTGAGTCAAACCTCAGAGAAGTCCCATGTATTTATCGCCATGATTTAATCAATCAACTTCA
 GCACAATCATGCCCTAGTTACTTTGGTAGCAGAAAACCTTGCAACTTACATGGAAAGCATGAGACTGTAT
 GGCAGAGACAATGAAGACTATGACCCACAAAACCTGTGAGAGTGGGAAGTAGATATAGTCTGTTTCAAGAAG
 TCCAAGAACGTCTTAACCTTTCTTAGATTTTTATTGAAGGATGGCCAGCTATGGCTGTGTCTCCTCAGGC
 AAAACAAATATGGAAGTCTTAGCAGAGAATGCGGTTTATCTTTGTGACCGTGAAGCCTGCTTTAAGTGG
 TATTTCAAATTAATGGGAGATGAACCAGACTTAGATCCTGATATCAATAAGGACTTCTTTGAAAGTAATG
 TGCTTCAGCTTGATCCTTCACTATTAAGTAAAATGGAATGAAATGTTTTGAGAGATTCTCAAAGCTGT
 GAATTGTCGAGAAGGAAAACCTAGTAGCAAAAAGAAGAGCCTATATGATGGATGATTTGGAATTGATAGGA
 TTAGACTATCTTTGGAGGTTGTAATTCAGAGTAATGATGATATTGCCAGCCGAGCTATTGATCTCCTCA
 AAGAGATACACAAAACCTTGGTCCAAGACTGCAGGTCAATCAGGTGGTATCCATGAAGACTTCATTCA
 GTCTTGCTTTGATCGTTTGAAGCCTCTTATGACACGTTGTGTGTTTTGGATGGTGACAAAGACAGTATT
 AATTGTGCAAGACAGGAAGCTGTTTGAATGGTCCGAGTATTAAGTGTGTTTAAAGAGAAATATAAAATGAAT
 GTGACAGTGATTATCATGAAGAAAGAACAATTTGCCTATGTCAAGAGCTTTCCGTGGTAAACACCTCTC
 TTTTATAGTTTCGTTTCCAAACAGGGCAGACAAGTAGATGACTTGAAGTGTGGTCTCATACAAATGAT
 ACCATTGGTTCAGTTTCGACGATGTATACTAAATCGCATTAAAGCCAATGTAGCTCATACAAAAATGAAC
 TCTTTGTGGTGGTGAGCTTATTGATCCTGGAGATGACAGAAAGTTGATTGGACAATTAACCTAAAAGA
 TAAATCACTAATTACAGCCAACTTACACAAATCAGCTCCAATATGCCGTCAAGTCTGATAGCTCCTCT
 GATTCCTCAACTGGATCTCCTGGAACCATGGTAAATCATTACAGTGTGGTCCCAACCCAGAGGTGAGAA
 GCTGTTTGCCTGGAGTGATAATGTCATCTCATCCAGATACATCTTTCTTTGGCAAGTGTGAGACTT
 AGGGAGCAGCCTAAATATGCCCCCTCTTAGAGATGGAGCAAGAGTTCTTATGAAACTTATGCCGCCAGAT
 AGTACAACAATAGAAAAATTAAGAGCTATTTGTTTAGATCATGCCAACTTGGAGAAAGCAGCCTTAGTC
 CATCTCTGACTCACTTTTCTTTGGTCTTTCAGCCTCACAAAGTGTATACCTAACAGAGGTAGTCTATGC
 CCTGTTAATGCCTGCTGGTGCACCCCTGGCTGATGACTCCTCTGATTTTTCAGTTTCACTTCTTGAAGT
 GGTGGTTTGCCTTGTCTGAGTATGCTAACCAGAAATAACTTCTACCAATGCTGATATGGAAACTC
 GAAGGGTGCCTACCTCAATGCTCTTAAATAGCCAACTGTTACTAAGTCCATGGCTATGGCCATGT
 TCGGGCTGTGGCAGAAGCATGTCAGCCAGGTGTAGAAGGCGTGAATCCTATGACATCGGTCAACCAAGTA
 ACTCATGATCAAGCAGTGGTGTACAAAGTCCCTTTCAGAGCATTCTAACCATCATCTGAATGCATGC
 TTAGAAACGTGTCTGTTGCTCTGCTCAGCAGATTTCTGATGAGGCTTCAAGATATATGCCTGATATTTG
 TGTAATTAGAGCTATACAAAAGATTATTTGGACATCAGGATGTGGGGGATTACAAGTGGTATTACAGCCCA
 AATGAGGAAGTCAAAAAATTTATGAGAAGACCAATGCAGGCAATGAGCCAGACCTTGAAGATGAACAGG
 TTTGCTGTGAGGCATTGGAAGTGTGACTGTGTTTTCGCTTCAACAGCCTTAGATGCTCTAAG
 TAAAGAAAAGGCTTGGCAGACATTTATTATTGACTTACTGTTACTACTGTACAGCAAACTGTCCGTCAA
 GTAGCACAGGAACAATTTCTTAAATGTGACCAGATGTTGCATGGGACACAGGCCTCTACTTTTCTTCA
 TTACTCTACTCTTACTGTTTGGGGAGCACAGCCAGAGAGGGGCTAAACATTCAGGCGACTACTTTAC
 TCTTTTAAAGCATCTTCTTAATTACGCTTACAACAGTAACATTAATGTACCAATGCTGAAGTCTTCTA
 AATAATGAAATTGATTGGCTTAAAAGAATTAGGGATGATGTTAAAAGAACAGGTGAAACAGGCGTTGAAG
 AGACAATCTTAGAAGGACACCTTGGGGTTACAAAGGAGCTACTGGCTTTTTCAGACCCCTGAGAAAAAGT
 TCATATTGGTTGTGAAAAGGGGGTGTAAATCTCATTAAAGAATTAATCGACGATTTTCTTCTGCA
 TCCAATGTTTACCTCCAGTATATGAGAAATGGAGAACTCCCTGCTGAGCAGGCCATTCTGTCTGTGGT
 CACCAGCCACAATTAATGCTGGTTTTGAGTTACTTGTAGCATTAGCTGTTGGCTGTGAAGGAACCTCAA
 ACAGATAGTAGATTCTTTGACTGAAATGTATTACATTGGTACAGCAATAACTACTTGTGAGGCCTACT
 GAGTGGGAATACCTGCCACCTGTTGACCCCGTCCACAAAAGGATTTGTGGGGTGA AAAATGCTGGT
 CTACTTGTACATGAATTCTGTGATTACAGCAACTCTATATGATTCCTCTATCAGGAACGGTATTCTTGC
 AATTGAAGGCACAGGTAGTGTAGATGATGATATGTCTGGGGATGAGAAGCAGGACAATGAGAGCAAT
 GTTGATCCAGGGATGATGTGTTGGATATCCTCAACAATTTGAAGACAAACCACCTGAGTAAAACAG
 AAGATAGAAAAGAGTACAATATTGGTGTCTAAGACACCTTCAAGTTATCTTTGGCCATTAGCTGCTTC
 TCGACTACAGTACTATGTGCCAGAGGATTTTGGAAACAGTTCAGGCTTTGGGGTGGAGCCTGTTAATCTT
 CGTGAACAACATGATGCTTTAGAGTCTTTAATTCATTGGTGGATAGTTTAGATGAAGCTTTAAAAGCCT

TAGGGCATCCAGCTATGCTAAGTAAAGTCTTGGGAGGTTCTTCGCTGATCAGAAAAATTTGTCAAGGCTG
CCCACATAGGTATGAATGTGAAGAATCTTTACGACTCTGAATGTAGACATTAGAAAACCCAAAAATCTT
CTTGATTCTTTGGAACAGTATGTCAAAGGAGATTTACTAGAAGGGGCAAAATGCTTATCATTGTGAAAAAT
GCAATAAAAAGGTTGATACTGTAAGCGCTTGCTAATTAAGTGGCTCCTGTTCTTGCATCCAACCT
AAAACGATTGATTATGACTGGGAAAGAGAATGTGCAATCAAGTCAATGATTACTTTGAGTTTCTCGA
GAGTTAGACATGGAGCCGTACACAGTTGCAGGTGTTGCTAAACTAGAGGGAGATAATGTCAACCCAGAAA
GTCAGCTGATACAACAGAATGAGCAGTCTGAAAGCGAAAAAGCCGGAAGCAGAAAAATACAGACTTGTGGG
TGTGCTTGACACAGTGGTCAAGCAAGTGGGGGACATTACTATTCTTACATCATTACAGAGGAATGGAGGA
GATGGTGAAAAAATCGTTGGTATAAATTTGATGATGGAGATGTAACAGAGTGTAAAAATGGATGATGATG
AAGAAATGAAAAACAGTGTTTTGGTGGCGAGTACATGGGAGAAGTGTGGATCAGATGATGAAGCGCAT
GTCGTACAGGCGGCAGAAAAGGTGGTGAATGCATATATACTTTTTATGAAAGAATGGATACGATAGAT
CATGATGATGAGGTGATAAGATACATATCAGAGATTGCTATCACCACAAGGCCCATCAGATTGTTATGC
CATCGGCCATTGAAAGAAGTGTGCGGAAGCAGAATGTCCAATTCATGCATAACCGAATGCAGTACAGTTT
GGAATATTTTTCAGTTTATGAAAAAGCTACTTACATGTAATGGTGTATTTAAACCCTCCACCAGGGCAA
GATCACCTGTCTCCTGAAGCAGAAGAAATCACTATGATTAGTATTCAGCTTGCTGCTAGGTTCTTTTTTA
CTACAGGATTTACACAAGAAAATAGTCCGAGGATCCGCCAGTATTGGTATGATGCATTGTGTATTCT
CCTCCGTACAGCAAGAATGTGCGGTTTTGGTTTTGCTCACAATGTGCTTTTTAATGTTTTCAATCGATTC
TCTGAGTACTTTTGGAATGCCCTAGTGCAGAAGTGAAGAGTGCATTTGCTAAACTTATAGTTTTTATTG
CACACTTTTCTTACAAGATGGGCCTTGTCTTACCTTTTGCATCTCCTGGACCTTCTAGTCAGGCTTA
TGATAACTTAAGTTTGAAGTACCACCTACTAAGAGCAGTACTAACTCTCTTGAGGAGGGAGGTTTCAGAG
CATGGACGTCAATTCAGCAGTATTTCACTTGTGTTGTAATGTATGCCAATTTAGGAGTGGCAGAGAAAA
CACAGCTGCTCAAAGTGTACCTGCTACCTTTATGCTTGTGCTCTTAGATGAAGTCCCTGGTCTCTCC
AATTAATATCAGTATGCTGAATTAGGCAAAATTACTCCGATAGTGCACAGTTAATCCGCTGTTGCAAT
GTCCTTCAAGAATGCAGTCTTCAATCAATGGTAACTCTTCTCTTCCAAATCCTTTTTGGTATCCTAATT
TATCACAACCTATAATGCCAATTAACAATAATGTGGTAGACATTTTATTTGTGAGAACAAGTTATGTGAA
GAAAAATTATGAAGACTGCAGTAACTCTGATGAGACCGTCAAATGCTTCGCTTTTGTGCTGGGAGAAT
CCTCAGTTCTCATCTACTGCTGAGTGAACCTTTTGGCAGGTTGCGTATTCTATACTTACGAACTCC
GGCCCTATTTGGATCTGCTTTTACAAATCTTACTGATTGAAGACTCCTGGCAGACTCACAGAATTCATAA
TGCCCTTAAAGGAATCCAGATGACCGAGATGGGCTGTTGACACAATTCAGCGTTCTAAGAATCACTAT
CAAAAAAGAGCATACCAATGTATAAATGTATGGTAGCCCTCTTAGCAGTTGCTCTGTGGCTTACCAA
TCCTGCAGGGCAATGGAGATCTTAAAGGAAATGGACCTGGGCAGTAGAGTGGCTTGAGATGAACTCGA
AAGAAGACCATACACTGGCAATCCTCAGTACACTTACAACAATGGTCTCCTCCAGTGCAAAGCAATGAA
ACATCAATGGCTACTTCTTGGAGAGATCACATAGCGCTAGGATGACACTTGCAAAGCTTGTGAACTCT
GTCCTGAGGAGGAACCAGATGACCAAGATGCCCCAGATGAGCATGAATCACCTCCACCTGAAGATGCCCC
ATTATACCCCATTTCCCTGGATCTCAATATCAGCAGCCCTATACAGGCCAGCCGCACATCACATGAAC
AACCTCAGAGAACTGGCCAACGAGCACAAGAAAATATGAAGGCAGTGAAGAAGTGTCCCCACCTCAGA
CCAAGGATCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR200044 representing NM_001135893
 Red=Cloning site Green=Tags(s)

MTATTRGSPVGGNDNQGPADGQSQPPLQQNQTSSPDSSNENSPATPPDEQGGDAPPQIEDEEPAFPHT
 DLAKLDDMINRPRWVVPVLPKGELEVELLEAAIDL SKKGLDVKSEACQRF FRDGLTISFTKILTDEAVSGW
 KFEIHRCIINNTHRLVELCVAKLAQDWFPLELLAMALNPHCKFHIYNGTRPCESVSSSVQLPEDEL FAR
 SPDPRSPKGLVDLLNKFGTLNGFQILHDFRINGSALNVQIIAALIKPFGQCYEFLTLHTVKKYFLPIIE
 MYPQFLENLTDEELKKEAKNEAKNDALSMIIKSLKSLASRVPGQEETVKNLEIFRLKMILRLQLISSFNG
 KMNALNEVNKVISSVSYTHRHGSSEEEEWLTAERMAEWIQNNILSIVLRDSLHQPQYVEKLEKILRFV
 IKEKALTLQDLNIIWAAQAGKHEAIVKNVHDLAKLAWDFSPEQLDHLDFCFKASWTNASKKQREKLEL
 IRRLAEDDKDGMMAHKVLNLLWNLAHSDVDPVDIMDLALSAHIKILDYSCSQDRDTQKIQWIDRFIEELR
 TNDKWVIPALKQIREICSLFGEAPQNLSTQQRSPHV FYRHDLINQLQHNHALVTLVAENLATYMSMRLY
 GRDNEDYDPQTVRVGSRYSHVQEVQERLNFRLFLKDGQLWLCAPQAKQIWKCLAENAVYLCDREACFKW
 YSKLMDGEPDLDPDINKDFEFESNVLQLDPSLLTENGMKCFERFFKAVNCREGKL VAKRRAYMDDLELIG
 LDYLWRVVIQSNDDIASRAIDLKEIYTNLGPRLQVNVVVIHEDFIQSCFDRLKASYDTL CVLDGDKDSI
 NCARQEA VRMVRVLTVLREYINECDSDYHEERTILPMSRAFRGKHL SFIVRFPNQGRQVDLEVWSHTND
 TTGSVRRCILNRIKANVAHTKIELFVGGELIDPGDDRKLIGQLNLKDKSLITAKLTQISSNMPSSPDSS
 DSSTGSPGNHGNHSDGPNPEVESCLPGVIMSLHPRYISFLWQVADLGSLLNMPPLRDGARVLMKLMPPD
 STTIEKLRACLDAKLGESSLSPSLDLSFFGPSASQVLYL TEVYVYALLMPAGAPLADSSDFQFHFLKS
 GGLPLVLSMLTRNNFLPNADMETRRGAYLNALKIAKLLLTAIGYGHVRAVAEACQPGVEGVNPMTSVNQV
 THDQAVVLSALQSI PNPSSSECMRNVSVRLAQIISDEASRYMPDICVIRAIQKI IWTSGCGGLQLVFS
 NEEVTKIYEKTNAGNEPDEDEQCCEALEVMTLCFAL IPTALDAL SKEKAWQTFIIDLLHCHSKTVRQ
 VAQEQLMCTRCCMGRPLLFFITLLFTVLGSTARERAKHSGDYFTLLRHLLNYAYNSNINVPNAEVL
 NNEIDWLKRIRDDVKRTGETGVEETILEGHLGVTKELLAFQTPEKKFHIGCEKGGANLIKELIDDFIFPA
 SNVYLYQYMRNGELPAEQAI P VCGSPATINAGFELLVALAVGCVRNKQIVDSLTEMYYIGTAITTC EALT
 EWEYLPVGPVPPKGFVGLKNAGATCYMNSVIQQLYMIPSI RINGILAI EGTGSDVDDMSGDEKQDNESN
 VDPRDDVFGYPQQFEDKPPLSKTEDRKEYNIGVLRHLQVIFGHLAASRLQYVPRGFWKQFRLWGEVNL
 REQHDALEFFNSLVDSLDEALKALGHPAML SKVLGGSFADQKICQGC PHRYECEESFTTLNVDIRNHQNL
 LDSLEQYVKGDLLEGANAYHCEKCNKKVDTVKRLLIKLPVLAIQLRKFDYDWERECAIKFNDFEFPR
 ELDMEPYTVAGVAKLEGDNVNPESQLIQNEQSESEKAGSTKYRLVGVLVHSGQASGGHYYSYIIQRNGG
 DGEKNRWYKFDDGDVTECKMDDDEEMKNQCFGGEYMGVEFDHMMKMSYRRQKRWWNAYILFYERMDTID
 HDDEVIRYI SEIAITTRPHQIVMP SAIERSVRKQNVQFMHNRMQYSLEYFQFMKLLTCNGVYLNPPPGQ
 DHL SPEAEEITMISIQLAARFLFTTGFTKKIVRGSASDWYDALCILLRH SKNVRFWAHNVLFNVS NRF
 SEYLLECP SAEVRGAF AKLIVFIAHFSLQDGPCSPFASPGSSQAYDNL SLSDHLLRAVLNLLRRE VSE
 HGRHLQQYFNLFVYANLGVAEKTQLLKL SVPATFMLVSLDEGPGPIKYQY AELGKLYSVVSQLIRCCN
 VSSRMQSSINGNPSLPNPF GPNLSQPIMPIQQNVVDILFVRTSYVKKI IEDCSNSDET VKLLRFCCWEN
 PQFSSTVLS ELLWQVAYS YTYELRPYLDLLLQILLIEDSWQTHR IHNALKGI PDDRDGLFDTIQR SKNH
 QKRAYQCIKCMVALFSSCPVAYQILQNGDLKRKWTWAVEWL GDELERRPYTGNPQYTYNNWSPPVQSNE
 TSNGYFLERSHSARMTLAKACELCPEEEPPDDQDAPDEHESPPPEDAPLYPHSPGSQYQPYTGPAAHMMN
 NPQRTGQRAQENYEGSEEVSPPTKDQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:


ACCN: NM_001135893

ORF Size: 7641 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_001135893.1](#), [NP_001129365.1](#)

RefSeq Size: 10475 bp

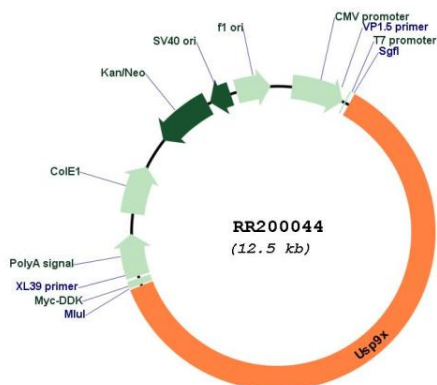
RefSeq ORF: 7644 bp

Locus ID: 363445

Cytogenetics: Xq12

MW: 289.4 kDa

Product images:



Circular map for RR200044