

Product datasheet for **RR203402**

Xkrx (NM_001012230) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Xkrx (NM_001012230) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Xkrx
Synonyms:	XRG2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR203402 representing NM_001012230
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACAGAGTTTATGAAATTCCTGAGGAGCCAAATGTGGTTCCTATCGCATCTCTGGAAGATGTATCC
 GTGGGCCTAACCCACGTTTTACCTTTCCATTTAGTATCCTCTTCCACCTTCTTGACTGCGGGGAGGC
 TGCATCTGCCTTGATATGGTTTCAATTTACCGAAAGAACAACGAGACCTTCTGGATGACATACACCTTT
 TCCTTTTTTATGTTTTTATCCATCATGGTTCAGTTGACCCCTATTTTTGTCCACAGAGACCTGGCCAAAG
 ATAGACCACTATCATTATTTATGCATCTAATCCTCTTGGGACCTGTTATCAGATGTTGGAGGCCATGAT
 TAAGTACCTTACACTGTGGAAGAAAGAGGGGCAGGAAGAGCCATATGTCAGCCTCACCCGAAAGAAGATG
 CTAATAGATGGCCAAGAAGTGTGATAGAATGGGAGGTGGCCACTCCATCCGGACCTGGCTATGCACC
 GCAATGCCTACAAACGTATGTCTCAGATTCAAGCCTTCTGGGCTCAGTGCCCGAGTAACCTATCAGCT
 ATATGTGACCCTGATCTCTGCAGAAGTCCCCTTGGTAGAGCTGTGTTAATGTTTTTTCCCTGATATCT
 GTCACCTATGGGGCTACCTCTGCAATATGTTGGCTATCCAGATCAAGTATGATGACTACAAGATTCGAC
 TTGGTCCAGTGGAAAGTCTTTGTATCACCATCTGGAGGACATTGGAGATCACTTCCCGCCTCATGATTCT
 GGTGCTCTTCTCGGCCACCTTGAAGTTGAAAGCTGTGCCCTTCTTAGTGCTCAACTTCTTGATCATCCTC
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 AGCCATGCAGTTGAAGTTGGCAGACAGAGACCTTGTGACAAAGGTCAGAACTGGGGACATATGGGACTG
 CACTACAGTGTGAGGTTGGTAGAGAATGTGATCATGGTGTGGTTTTAAGTACTTTGGAGTCAAGGTGT
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 GCTCCTCTTTTTCCAGTACTTGCACCCATTGCGCTCACTCTTACCCATAACGTAGTAGACTACCTCCAT
 TGTATCTGCTGCCGACAGACACCATCGGGAAGGGTTGAGAACTCAGAGACATCCTGTGAGCCTGACACAA
 GGCAAAGTATTGTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence:

>RR203402 representing NM_001012230
 Red=Cloning site Green=Tags(s)

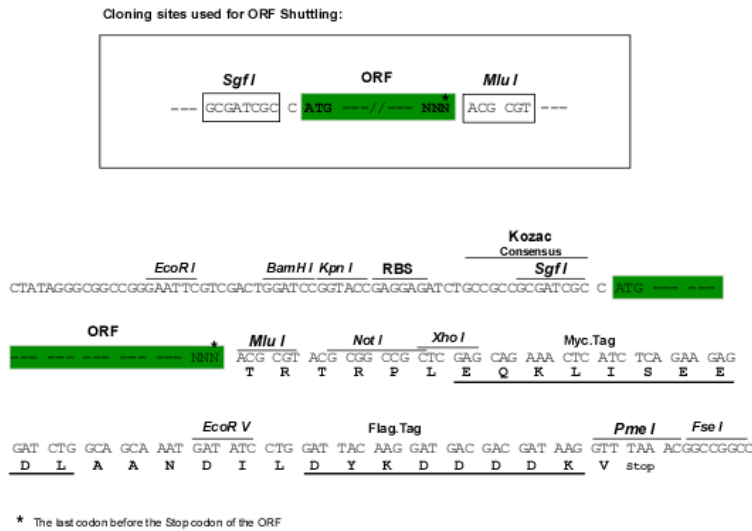
MDRVYEIPEEPNVVPIASLEDVIRGPNRFTFPFSILFSTFLYCGEAASALYMVRIYRKNNETFWMTYTF
 SFFMFSSIMVQLTLIFVHRDLAKDRPLSLFMHLILLGPVIRCLEAMIKYLTWKKEGQEPEYVSLTRKKM
 LIDGQEVLIIEWEVGHSIRTLAMHRNAYKRMSQIQAFVLSVPQTYQLYVTLISAEVPLGRAVLMFFSLIS
 VTYGATLCNMLAIQIKYDDYKIRLGPVEVLCITIWRTLEITSRLMILVLFSATLKLKAVPFLVNLFIIL
 FEPWVKFWRSGAQMPPNIEKNFSRVGTLVVLISVTILYAGINFSCWSAMQLKLADRDLVDKGQNWGHMGL
 HYSVRLVENVIMVLVFKYFVKVLLNYSLSLMAIQLIIAYLISIGFMILLFFQYLHPLRSLFTHNVVDYLH
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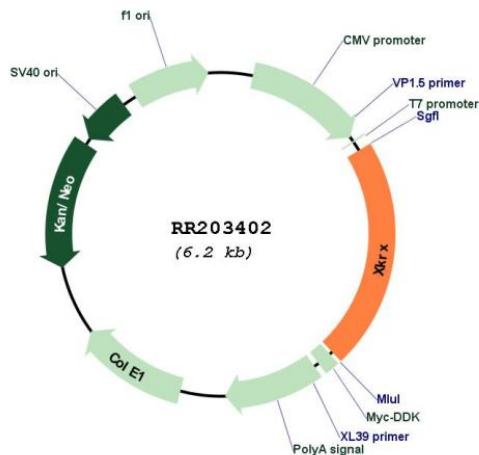
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001012230

ORF Size: 1344 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_001012230.1](#), [NP_001012230.1](#)

RefSeq Size: 1817 bp

RefSeq ORF: 1347 bp

Locus ID: 497101

UniProt ID: [Q5GH60](#)

Cytogenetics: Xq32

MW: 52 kDa