

## Product datasheet for **MR220517**

### **Xkrx (NM\_183319) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Xkrx (NM_183319) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Xkrx
Synonyms:	A630026F04
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR220517 representing NM\_183319  
**Red**=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGACAGAGTTTATGAAATTCCTGAGGAGCCAAATGTGGTTCCCATTTTCATCTCTGGAAGAAGATGTCA  
TCCGGGGGCCAAACCCACGCTTTACCTTCCCGTTAGTATCCTCTTCCACCTTTTGTACTGTGGGA  
GGCTGCGTCTGCTTTGTACATGGTTAGAATTTACCGAAAGAATAATGAAACCTTCTGGATGACATACACA  
TTTTCTTTTTCATGTTTTTCATCTATCATGGTTCAGTTGACCCTCATTTTTGTCCACAGAGACCTGGCCA  
AAGATAGACCACTATCATTATTTATGCATCTAATCCTCTTGGGACCTGTTATCAGATGTTGGAGGCCAT  
GATTAATACTTACACTGTGGAAGAAAGAGGGGCAGGAGGACCATATGTCAGCCTCACCCGAAAGAAG  
ATGCTAATAGCTGGCCAGGAGGTGCTGATAGAATGGGAGGTGGCCACTCCATCCGGACCCTGGCTATGC  
ATCGCAATGCCTACAAACGTATGTCACAGATTCAAGCCTTCTGGGCTCAGTCCCCAGCTGACCTATCA  
GCTATATGTGAGTCTGATCTCAGCAGAAGTCCCCCTGGGTAGAGCTGTGTTAATGGCTTTTCCCTGATA  
TCTGTACCTACGGGGCTACCCTGTGCAATATGTTGGCTATCCAGATCAAGTATGATGACTACAAGATTA  
GACTGGGGCCACTGGAAGTCTTTGTATCACCGTCTGGAGGACATTGGAGTCACTTCCCGCTCGTGAT  
TCTGGTCTCTTCTCGCCACCTTGAAGTTGAAGGCTGTGCCCTTCTTAGTGCTCAACTTCTTGATCATC  
CTCTTTGAGCCCTGGGTCAAGTCTGGAGGAGTGGTGCCAAATGCCAAACAATATTGAGAAAACTTCA  
GCCGAGTTGGCACTCTGGTGGTACTGATTCGGTCACCATTCTCTATGCTGGCATCAACTTCTTGTCTG  
GTCAGCCATGCAGTTGAAGTTGGCAGACAGACCTTGTGACAAAGGTCAGAACTGGGGACATATGGGA  
CTGCATATAGTGTGAGGCTGGTAGAGAATGTGATCATGGTCTTGGTTTTAAGTACTTCGGAGTCAAAG  
TGTTACTGAATTATTGTCACTTCTTGGATTGCAGTGCAGCTATTATTGCTTATCTGATTTCCATTGGGT  
CATGCTTCTCTTCCAGTACTTGCACCCCTGCGCTCACTTCCACCAATAACGTAGTAGACTACCTC  
CATTGTATCTGCTGCCGACACCCCGTCCGAAAGGGTTGAGAACTCAGAGACATCCTGTGAAGCTGACA  
CAACACAAAGTATTGTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR220517 representing NM\_183319  
**Red**=Cloning site **Green**=Tags(s)

MDRVYEIPEEPNVVPISSLEEDVIRGPNRFTFPFSILFSTFLYCGEASALYMVRIYRKNNETFWMTYT  
FSFFMFSSIMVQLTLIFVHRDLAKDRPLSLFMHLILLGPVIRCLEAMIKYLLWKKEGQEEPVSLSLTKK  
MLIAGQEVLEIWEVGHISIRTLAMHRNAYKRMSQIQAFVLSVPLGRAVLMFSLI  
SVTYGATLCNMLAIQIKYDDYKIRLGPVLEVLCTVWRTLEITSRLVILVLFATLKLKAVPFLVNLII  
LFEPWVKFWRSGAQMPNIEKNFSRVGTLVVLISVTILYAGINFSCWSAMQLKADRDLVDKGQNWGHMG  
LHYSVRLVENVIMVLVFKYFGVKVLLNYCHSLIAVQLIIAYLISIGVMLLFFQYLHPLRSLFTNNVVDYL  
HCICRRRPRPERVENSSETSCEADTTQSIIV

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9017\\_f01.zip](https://cdn.origene.com/chromatograms/mm9017_f01.zip)

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_183319

**ORF Size:** 1347 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\\_183319.3](#)
**RefSeq Size:** 2898 bp

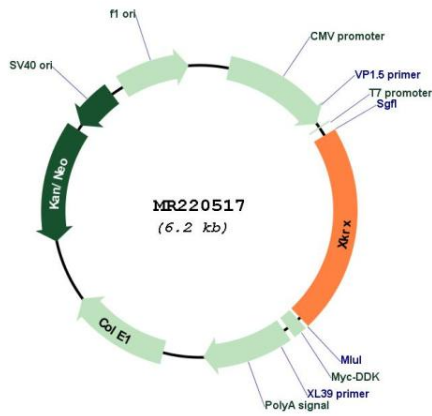
**RefSeq ORF:** 1350 bp

**Locus ID:** 331524

**UniProt ID:** [Q5GH68](#)
**Cytogenetics:** X E3

MW: 52.2 kDa

Product images:



Circular map for MR220517