

Product datasheet for **RC218800**

XKRX (NM_212559) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	XKRX (NM_212559) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	XKRX
Synonyms:	XKR2; XPLAC; XRG2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC218800 representing NM_212559
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAACACAAGACCACAACATTCAGAAAGAACCTCGACAATGGACAGAGTTTATGAAATTCCTGAGGAGC
 CAAATGTGGATCCGGTTTCATCTCTGGAGGAAGATGTCATCCGTGGAGCCAACCCCCGATTACTTTTCC
 ATTTAGCATCCTTTTCTCCACCTTTTTGTACTGTGGGAGGCTGCATCTGCTTTGTACATGGTTAGAATC
 TATCGAAAGAATAGTGAACTTACTGGATGACATACACCTTTTCTTTTATGTTTTATCCATTATGG
 TCCAGTTGACCCTCATTTTTGTCCACAGAGATCTAGCCAAAGATAAACCGCTATCATTATTTATGCATCT
 AATCCTCTGGGACCTGTATCAGATGTTTGGAGGCCATGATTAAGTACCTCACACTGTGGAAGAAAGAG
 GAGCAGGAGGAGCCCTATGTCAGCCTCACCCGAAAGAAGATGCTAATAGATGGCGAGGAGGTGCTGATAG
 AATGGGAGGTGGCCACTCCATCCGACCCTGGCTATGCACCGCAATGCCTACAAACGTATGTCACAGAT
 CCAAGCCTTCTGGGCTCAGTCCCCAGCTGACCTATCAGCTCTATGTGAGCCTGATCTCTGCAGAGGTT
 CCCTGGGTAGAGTTGTGCTAATGGTATTTCCCTGGTATCTGTACCTATGGGGCCACCCTTTGCAATA
 TGTGGCTATCCAGATCAAGTACGATGACTACAAGATTCGCTTGGGCCACTAGAAGTCCTCTGCATCAC
 CATCTGGCGGACATTGGAGATCACTTCCCGCTCCTGATTCTGGTGCTTCTCAGCCACTTTGAAATTG
 AAGGCTGTGCCCTTCTAGTGCTCAACTTCTGATCATCTCTTTGAGCCCTGGATTAAGTTCTGGAGAA
 GTGGTGCCAGATGCCCAATAACATTGAGAAAACTTCAGCCGGTCCGCACTCTGGTGGTCTGATTTT
 AGTCACCATCCTATGCTGGCATCAACTTCTCTTGGTGCAGCTTTCAGTTGAGGTTGGCAGACAGA
 GATCTCGTCGACAAAGGGCAGAACTGGGACATATGGCCTGCACTATAGTGTGAGGTTGGTAGAGAATG
 TGATCAGGCTTGGTTTTAAGTTCTTTGGAGTAAAAGTGTACTGAATTACTGCATTCTTGTATTG
 CTTGCAGCTCATTATTGCTTATCTGATTTCCATTGGCTTCATGCTCTTTTCTTCCAGTACTTGCATCCA
 TTGCGCTCACTTTCACCATAATGTAGTAGACTACCTCATTGTGTCTGCTGTACCAGACCCTCGGA
 CCAGGTTGAGAACTCAGAGCCACCCTTTGAGACTGAAGCAAGGCAAAGTGTGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC218800 representing NM_212559
 Red=Cloning site Green=Tags(s)

MNTRPQHSERTSTMDRVYEIPEEPNVPVSSLEEDVIRGANPRFTFFFSILFSTFLYCGEAASALYMVRI
 YRKNSEYWMYTFSSFFMFSSIMVQLTLIFVHRDLAKDKPLSLFMHLILLGPVIRCLEAMIKYLLWKKE
 EQEPEYVSLTRKKMLIDGEEVLIEWEVGHSIRTLAMHRNAYKRMSQIQAFLLGVPQLTYQLYVSLISAEV
 PLGRVVLVSLVSVTYGATLCNMLAIQIKYDDYKIRLGPLEVLCITIIWRTLEITSRLILVLFSA TLKL
 KAVPFLVNLFIILFEPWIKFWRSGAQPNNIEKNFSRVGTLVVLISVTILYAGINFSCWSALQLRLADR
 DLVDKGQNWGHMGLHYSVRLVENVIMVLVFKFFGVKVLVLLNYCHSLIALQLIIAYLISIGFMLLFFQYLHP
 LRLSFTHNVDYLHCVCCHQHPRTRVENSEPPFETEARQSVV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8014_d06.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_212559

ORF Size: 1386 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_212559.1](#), [NP_997724.1](#)

RefSeq Size: 2867 bp

RefSeq ORF: 1350 bp

Locus ID: 402415

UniProt ID: [Q6PP77](#)

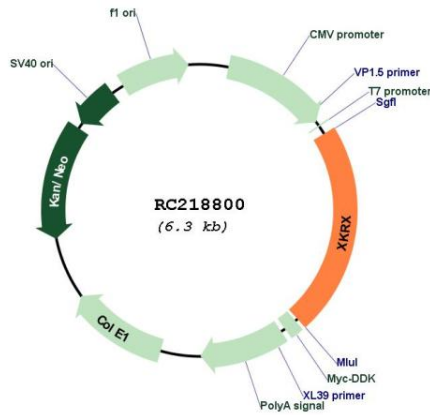
Cytogenetics: Xq22.1

Protein Families: Transmembrane

MW: 51.9 kDa

Gene Summary: This gene encodes a protein that is related to a component of the XK/Kell complex of the Kell blood group system. The encoded protein includes several transmembrane domains, is known to be exposed to the cell surface, and may function as a membrane transporter. [provided by RefSeq, May 2010]

Product images:



Circular map for RC218800