

Product datasheet for **RG218800**

XKRX (NM_212559) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	XKRX (NM_212559) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	XKRX
Synonyms:	XKR2; XPLAC; XRG2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG218800 representing NM_212559
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAACACAAGACCACAACATTCAGAAAGAACCTCGACAATGGACAGAGTTTATGAAATTCCTGAGGAGC
 CAAATGTGGATCCGGTTTCATCTCTGGAGGAAGATGTCATCCGTGGAGCCAACCCCGATTACTTTTCC
 ATTTAGCATCCTTTTCTCCACCTTTTTGTACTGTGGGAGGCTGCATCTGCTTTGTACATGGTTAGAATC
 TATCGAAAGAATAGTGAAACTTACTGGATGACATACACCTTTTCTTTTATGTTTTATCCATTATGG
 TCCAGTTGACCCTCATTTTTGTCCACAGAGATCTAGCCAAAGATAAACCGCTATCATTATTTATGCATCT
 AATCCTCTGGGACCTGTTATCAGATGTTTGGAGGCCATGATTAAGTACCTCACACTGTGGAAGAAAGAG
 GAGCAGGAGGAGCCCTATGTCAGCCTCACCCGAAAGAAGATGCTAATAGATGGCGAGGAGGTGCTGATAG
 AATGGGAGGTGGCCACTCCATCCGACCCTGGCTATGCACCGCAATGCCTACAAACGTATGTCACAGAT
 CCAAGCCTTCTGGGCTCAGTCCCCAGCTGACCTATCAGCTCTATGTGAGCCTGATCTCTGCAGAGGTT
 CCCTGGGTAGAGTTGTGCTAATGGTATTTCCCTGGTATCTGTACCTATGGGGCCACCCTTTGCAATA
 TGTGGCTATCCAGATCAAGTACGATGACTACAAGATTCGCTTGGGCCACTAGAAGTCCTCTGCATCAC
 CATCTGGCGGACATTGGAGATCACTTCCCGCTCCTGATTCTGGTGCTTCTCAGCCACTTTGAAATTG
 AAGGCTGTGCCCTTCTAGTGCTCAACTTCTGATCATCTCTTTGAGCCCTGGATTAAGTTCTGGAGAA
 GTGGTGCCAGATGCCAATAACATTGAGAAAACTTCAGCCGGTCCGCACTCTGGTGGTCTGATTTT
 AGTCACCATCCTATGCTGGCATCAACTTCTCTTGGTGCAGCTTTCAGTTGAGGTTGGCAGACAGA
 GATCTCGTCGACAAAGGGCAGAAGTGGGACATATGGCCTGCACTATAGTGTGAGGTTGGTAGAGAATG
 TGATCAGGCTTGGTTTTAAGTTCTTTGGAGTAAAAGTGTACTGAATTACTGTCATTCTTTGATTGC
 CTGTCAGCTCATTATTGCTTATCTGATTTCCATTGGCTTCATGCTCTTTTCTTCCAGTACTTGCATCCA
 TTGCGCTCACTCTTACCATAATGTAGTAGACTACCTCATTGTGTCTGCTGTACCAGACCCTCGGA
 CCAGGTTGAGAACTCAGAGCCACCCTTTGAGACTGAAGCAAGGCAAAGTGTGTGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG218800 representing NM_212559
 Red=Cloning site Green=Tags(s)

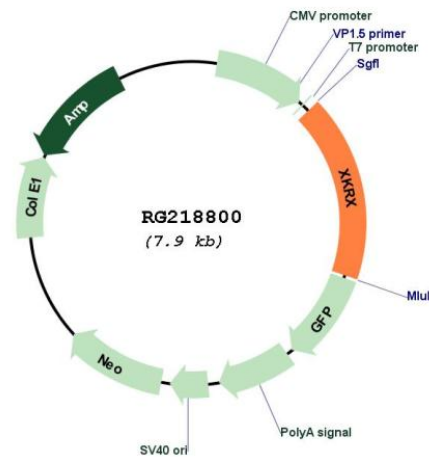
MNTRPQHSERTSTMDRVYEIPEEPNVPVSSLEEDVIRGANPRFTFPFSILFSTFLYCGEAASALYMVRI
 YRKNSETYWMYTFSSFFMFSSIMVQLTLIFVHRDLAKDKPLSLFMHLILLGPVIRCLEAMIKYLLWKKE
 EQEPEYVSLTRKKMLIDGEEVLIEWEVGHSIRTLAMHRNAYKRMSQIQAFLLGSPQLTYQLYVLSIAEV
 PLGRVVLVMSLVSVTYGATLCNMLAIQIKYDDYKIRLGPLEVLCITIIWRTLEITSRLLILVLFSAATLKL
 KAVPFLVNLFIILFEPWIKFWRSQAQMPNIEKNFSRVGTLVVLISVTILYAGINFSCWSALQLRLADR
 DLVDKGGQNWGHMGLHYSVRLVENVMVLFVFKFFGVKLLNYCHSLIALQLIIAYLISIGFMLLFFQYLHP
 LRSLFTHNVVDYLHCVCCHQHPRTRVENSEPPFETEARQSVV

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Plasmid Map:


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:	<ol style="list-style-type: none">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
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]