

## Product datasheet for **RG218548**

### **XKR4 (NM\_052898) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	XKR4 (NM_052898) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	XKR4
Synonyms:	XRG4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG218548 representing NM\_052898  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCCGCTAAATCAGACGGGAGGCTGAAAATGAAGAAAAGCAGCGACGTGGCGTTCACCCCGCTGCAGA  
 ACTCGGACCACTCGGGCTCGGTGCAGGATTGGCTCCAGGCTTCCGTCGGGGTCGGGAGCCGAGGACGA  
 GGAGGCGGCCGGGGCGGCTGCTGCCCGAGCGGCGGCGGCTGCTCGCGCTGCTGTGCTGCTGCGCCGGG  
 AGTGGCGGCTCCGCGGGCTCGGGCGGCTCCGGCGGCTCGCCGGCCCGGGCGGGCGGGCGGGCTCGG  
 CTGCGCTGTGCCTGCGCCTGGGACGGGAGCAGCGGCGCTACTCACTGTGGGACTGCCTCTGGATCTGGC  
 CGCCGTGGCCGTGACTTCGCGGACGTGGGCACAGACGTCTGGCTCGCCGTGGACTACTCTGCGCGGC  
 CAGCGTGGTGGTTCGGGCTCACGCTCTTCTCGTGGTGTGCGGCTCTGTGCGGTGCAAGTGTTCAGT  
 TCCGCTGGTTTGTGCACGATTCAGCACCGAGGACAGCGCCACGGCCGCTGCTGCCTCCAGCTGCCCGCA  
 GCCTGGAGCCGATTGCAAGACGGTGGTCCGGCGGTGGGCTGACAGCCGGGAAGGCGAGGCTCGTCTTCC  
 ACGCCGCAAAAGGCAAGCATCTAACGCCAGCAAGAGCAACATCGCCCGGCCAACAGCGGCAAGCAACAGCA  
 GCGGGGCTACCCGGGCCAGTGGCAAGCACAGGTCTGCGTCTGCTCTTCTGCATCTGGCTCCTGCAGTC  
 ACTCATCCACATCTTGCAGCTCGGGCAAATCTGGAGATATTTCCACACAATACTTAGGTATTCGAAGC  
 CGACAGAGTGGGAGAATGACAGATGGAGGTTTACTGGAAAAATGGTATATGAGTATGCGGATGTGAGTA  
 TGCTGCATTTGCTAGCCACCTTCTGAAAAGTGTCCACAGCTGGTCTCGAGCTCTGCATTATCGTACA  
 GACTCATAGCTTACAGGCCCTCAAGGTTTACAGCGGACGCTCCCTCGTGTCCCTGGCCTGGGCTTGG  
 GCCTCTACCAGAAGGCCCTCCGGGACTCTCGAGATGACAAGAAGCCCATCAGCTACATGGCCGTGATCA  
 TCCAGTCTGCTGGCACTTCTTACCATCGCCGCGGTCATCACGTTTGCCTCTTGGCTCGGTTT  
 CCAGCTGTACTTTGGGATCTTACGTCCTTCACTGGTGCATCATGACCTTCTGGATCGTCCACTGTGAG  
 ACAGAATTCTGTATACCAAATGGGAAGAGATTGTGTCGACATGGTGGTGGGATTATCTATATCTTCA  
 GTTGGTCAATGTCAAGGAAGGCAGGACACGCTGCAGGCTATTCATTTACTATTTTGTGATCCTTTTGG  
 AAATACAGCCTTGTGAGTGCCTCTGGTACCTCTACAAGGCTCCCCAGATTGCAGACGCATTTGCCATTCCA  
 GCGCTGTGTGGTGTTCAGCAGCTTTTAACTGGCGTTGTTTTATGCTGATGTATTATGCCTTCTTTC  
 ATCCCAATGGACCCAGATTCCGGCAGTACCAAGTTGTGCTTGTGAGGACCCAGCCGCTGCCTTCACTTT  
 GCCCCAGACGTGGCCACAAGCACCTACGGTCCATCTCCAACAACCGCAGTGTGTCAGCGACCCGGAT  
 CAGAAATTCGAGAGCGGATGGTGTGTACCTGTCTTCAAGTGAAGCCACTGCCCATCCACCCAT  
 CATCTCGCCACCACGGATTGAAGAATCAGTCATTAATAATGACTTGTTCAAGAAATAGGTACCCAGCATG  
 GGAGAGACATGTTTTGGACCGAAGCCTCCGAAAGGCTATTTAGCTTTTGAATGTCCCCATCTCTCCA  
 AGGCTGCAGTACAAAGATGATGCCCTTATTCAGGAGCGGTTGGAGTACGAAACCCTTTA

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:**

>RG218548 representing NM\_052898  
 Red=Cloning site Green=Tags(s)

MAAKSDGRLKMKKSSDVAFTPLQNSDHSGSVQGLAPGLPSGSGAEDEEAAGGGCCPDGGGCSRCCCCAG  
 SGGGAGSGGGVAGPGGGAGSAAALCLRLGREQRRYSLWDCLWILA AVVYFADVGTDVWLAVDYLLRG  
 QRWWFGLTLFFVVLGSLSVQVFSFRWFVHDFSTEDSATAAAASCPQPGADCKTVVGGGSAAGEEARPS  
 TPQRQASNASKSNIAAANSNGSNSSGATRASGKHSASCSFCIWLQLSLIHILQLQIWRFYFHTIYLGIRS  
 RQSGENDRWRFYWKMVYEVADVSMHLHLATFLESAPQLVLQLCIIVQTHSLQALQGFTAAASLVSLAWAL  
 ASYQKALRDSRDDKPISYMAVIIQFCWHFFTIAARVITFALFASVFQLYFGIFIVLHWCIMTFWIVHCE  
 TEFICITKWEIIVFDMVVGIIYIFSWFNVKEGRTRCRLFIIYFVILLENLALSALWYLYKAPQIADAFIAP  
 ALCVVFSSFLTGVVFMYYAFFHPNGPRFGQSPSCACEDPAAAFLLPPDVATSTLRSISNNRSVSDRD  
 QKFAERDGCVPVFQVRPTAPSTPSSRPRIEESVIKIDLFRNRYPAWERHVLDRSLRKAIALAFECSPSP  
 RLQYKDDALIQRLEYETTL

**TRTRPLE** – GFP Tag – V

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



ACCN: NM\_052898

ORF Size: 1950 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\\_052898.2](#)

RefSeq Size: 3925 bp

RefSeq ORF: 1953 bp

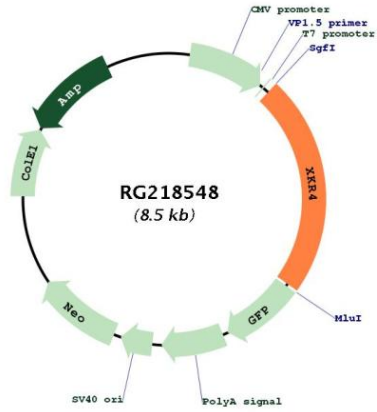
Locus ID: 114786

UniProt ID: [Q5GH76](#)

Cytogenetics: 8q12.1

Protein Families: Transmembrane

**Product images:**



Circular map for RG218548