

Product datasheet for **MR219901**

Xkr4 (NM_001011874) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Xkr4 (NM_001011874) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Xkr4
Synonyms:	AY534250; Gm210; mKIAA1889; XRG4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR219901 representing NM_001011874
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCGCTAAGTCAGACGGGAGGCTGAAGATGAAGAAGAGCAGCGAGCTGGCGTTCACCCCGCTGCAGA
 ACTCGGACAATTCGGGCTCTGTGCAAGGACTGGCTCCAGGCTTGCCTCGGGTCCGGAGCCGAGGACAC
 GGAGGCGGCCGGAGGCGGCTGCTGCCCGGACGGCGGTGGCTGCTCGCGCTGCTGTGCTGCTGCGGGG
 AGCGGGGCTCGGCGGGCTCGGGCGGCTCGGGCGGCGGGCGGGGCGGGGCGGGGCTGCGGCGC
 TGTGCCTGCGCCTGGGACGGGAGCAGCGCGTTACTCGCTGTGGGACTGCCTCTGGATCTGGCCCGCT
 GGCCGTGACTTCGCGGATGTGGAAACGGACATCTGGCTCGCGGTGGACTACTACCTGCTGGCCAGCGC
 TGGTGGTTTGGGCTCACCTCTTCTCGTGGTGTGGGCTCCCTTTCTGTGCAAGTTCAGCTTCCGCT
 GGTGTGTCATGATTTACAGCACCAGGACAGCTCCAGCACCACCTCCAGCTGCCAGCAGCCTGGAGC
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 AGGCAAGCATCCAACGCCAGCAAGAGCAACATCGCCGCCACCAACAGCGGAGCAACAGCAACGGGGCCA
 CCCGGACAGCGGCAACACAGGCTGCGTCTGCTCCTTTTGCATCTGGCTCCTGCAGTCACTCATCCA
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 GGGGAGAGCGGCAGGTGGCGGTTTTACTGGAAGATGGTGTACGAGTATGCAGATGTGAGCATGCTGCATC
 TGCTAGCCACTTTTCTGAAAAGTCTCCACAATTGGTCTGCAGCTCTGCATTATTGTACAGACTCACAG
 CTTACAGGCCCTCCAAGTTTTACAGCAGCAGCCTCCCTTGTGTCCTTGGCTTGGGCCCTAGCCTCCTAC
 CAGAAGGCTCTTCGGGACTCCCGAGATGACAAAAAGCCCATCAGCTACATGGCTGTCATCATTAGTTCT
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 TTTTGGGATATTTATTGCCTCCATTGGTGCATCATGACTTTCTGGATTGTCCACTGTGAGACAGAATTC
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 GTGTTTTTTCAGCAGCTTTTTAACAGGTGTTGTTTTATGCTGATGTACTATGCCTTCTTTCATCCCAATG
 GGCCAGATTTGGGCAATCACCAAGTTGTGCTTGTGATGATCCAGCCACTGCCTTCTCTCTGCCTCCAGA
 AGTAGCCACAAGCACACTACGGTCCATCTCCAACAACCGCAGTGTGCCAGTGACCGTGATCAGAAATTT
 GCAGAGCGGGATGGATGTGTACCTGTGTTCAAGTGAGACCAACTGCACCACCCACCCCATCATCTCGAC
 CACCACGGATTGAAGAATCAGTCATTAATAATTGACCTGTTTCAGGAATAGATATCCAGCATGGGAGAGACA
 TGTGTTAGATCGAAGCCTGAGAAAGGCCATTTTAGCCTTTGAATGTTCCCATCTCTCCAAGGCTGCAG
 TACAAGGATGATGCCCTTATTCAGGAGAGGCTGGAATATGAAACCACTTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR219901 representing NM_001011874
Red=Cloning site Green=Tags(s)

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MAAKSDGRLKMKKSSDVAF TPLQNSDNGSVQGLAPGLPSGSGAEDTEAAGGGCCPDGGGCSRCCCCAG
SGGSAGSGGGGGGRSGAGSAA LCLRLGREQRRYSLWDCWLILAAVAVYFADVGTDIWLAVDYLLRGQR
WWFGLTLFFVVLGSLSVQVFSFRWFVHDFSTEDSSTTTTSSCQQPGADCKTVVSSGSAAGEGEV R P STPQ
RQASNASKSNIAATNSGNSNGATRTSGKHRSASCSFCI WLLQSLIHILQLGQIWRYLHTIYLGIRSRQS
GESGRWRFYWKMYEYADVSM LHL L ATFL ESAPQLVLQLCII VQTHSLQALQGFTAAASLVSLAWALASY
QKALRDSRDDKKPISYMAV I IQFCWHFF TIAARVITFALFASVFQLYFGIFIVLHWCIMTFWIVHCETEF
CITKWEEIVFDMVVGIIYIFSWFNVKEGRTRCRLF IYYFVIL LENTALSALWYLYKAPQIADAF AIPALC
VVFSSFLTG VV F M L M Y A F F H P N G P R F G Q S P S C A C D D P A T A F S L P P E V A T S T L R S I S N N R S V A S D R D Q K F
AERDGCVPVFQVRPTAPPTSSRPPRIEESVIKIDLFNRYP A W E R H V L D R S L R K A I L A F E C S P S P P R L Q
YKDDALIQERLEYETTL
    
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9005_a07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001011874

ORF Size: 1941 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_001011874.1](#), [NP_001011874.1](#)

RefSeq Size: 3652 bp

RefSeq ORF: 1944 bp

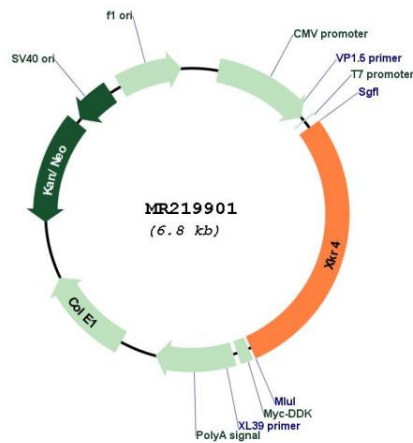
Locus ID: 497097

UniProt ID: [Q5GH67](#)

Cytogenetics: 1 A1

MW: 72 kDa

Product images:



Circular map for MR219901