

## Product datasheet for MR202362

### Xlr4a (NM\_001081642) Mouse Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Xlr4a (NM\_001081642) Mouse Tagged ORF Clone  
 Tag: Myc-DDK  
 Symbol: Xlr4a  
 Synonyms: MGC106987  
 Mammalian Cell Selection: Neomycin  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 ORF Nucleotide Sequence: >MR202362 representing NM\_001081642  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGGATCGCC

ATGGCTTCCAAAATCAAGGGCAGACCTCCCAAGCAACCAAGGTGACTCCTGCTGCCATCTGACGATT  
 CACAGCAGCTTCATGAAAATAACCCAGGAAACAATCTGGCCCTTGAAACTTGTGGGGAAAGCAGTTCTTC  
 CCATGGAACAGGTGGACCAAGCCAGGGCCAGTAAGAAACTCTAAATGAAAGGAAGAGAAAGTATGGG  
 GTGAGTGTAAATAAACTGTCCAAAACATTGAGTGAATGTTGACCACTTCTGAAAGTCCAGCATGAGC  
 GAAGGCAGGAACCTTATAAGGACTATTCTCATCAGTTTTTACTTGGTTATGATGTGGAATATAGATGT  
 AGACCAAATCAAGAAACAGGCTGGAAAACCTCTGATATACTTGATGAGCAACAAAAGCTTTTTCAACAA  
 TTTCAAAGTATTCATATGCAGAAAATAGAAGATTTAAGGAGTTATGTGATCGACACTTGAAGAATCTAC  
 AGGCCATTAAGTGTGTCGCCGAAAAGCTATTATTGAGGAAGCCAGAAAACCTAATGGACTACTTGGAAAA  
 GACAGTTACTGAAGAACTGTTACGTAACAAGCAGGAAGCAAAGGATGGTGTTCATCATCACTTCTA  
 TCCCTGCTAATCTCG

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR202362 representing NM\_001081642  
Red=Cloning site Green=Tags(s)

MASKIKGRPPKQPKVTPALPSSDSSQQLHENPNGNLALETGCESSSHGTGGPKPGPSKKTLLNERKRKYG  
 VSVNKTQVNIWVNDHFLKVQHERRQELYKDYSHQFLTLVMMWNIDVDQIKKQAGKLSLILDEQQKLFQQ  
 FQSIHMQKIEEFKELCDRHLKNLQAIKCCRKAIEEARKLMDYLEKTVTEETVHVNKQEAKDGVQSSLL  
 SLLIS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9072\\_e03.zip](https://cdn.origene.com/chromatograms/mm9072_e03.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



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

**ACCN:** NM\_001081642

**ORF Size:** 645 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\_001081642.1, NP\_001075111.1

**RefSeq Size:** 1191 bp

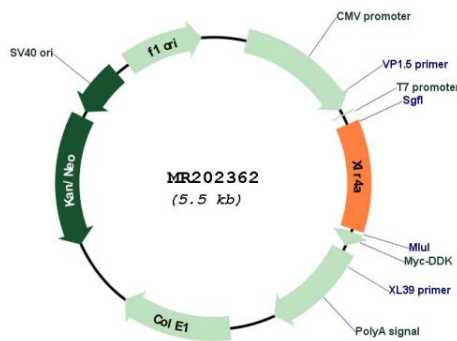
**RefSeq ORF:** 648 bp

**Locus ID:** 434794

**Cytogenetics:** X A7.3

**MW:** 24.7 kDa

**Product images:**



Circular map for MR202362