

## Product datasheet for MR211137

### Ankrd24 (NM\_027480) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ankrd24 (NM\_027480) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Ankrd24  
**Synonyms:** 4631433D01Rik; 5730519E19Rik; D10Bur2e  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR211137 representing NM\_027480  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAAGACCTCCGGCACGATTCAAGAAAACAGAGGGCCAAGACTGGGGCAAAGTGACCAGCGACTGC  
 TCCAGGCAGTGGAGAACAACGATGTGGCCAGAGTGGCCTCGTTGATCGCCACAAGGGGTGGTGCCTAC  
 AAAACTGGACCCCGAGGGCAAGTCTGCGTTCCACTTAGCAGCCATGAGGGGTGCGCGGGGTGTCTGGAA  
 GTGATGCTGGCTCAAGGTGCCGATGTCATGAGCACGGATGGAGCAGGTTACAATGCCCTTACCTGGCAG  
 CCAAGTACGGGCACCCAGAGTGTCTGAAGCAACTTTGGAGGCTTCTGCGTGGTGGACATCGAGGACAG  
 CAGTGGGTGGACAGCCCTTACCATGCAGCGGCTGGTGGTTGTCTGTCTGCTCAAAGCTGCTGTCTCC  
 TTTAAGGCACACATGAACCCCGGGACCGGTCCGGTGCCACCCCTCATCATAGCGGCTCAGATGTGTC  
 ACACAGATCTGTGCCCTCCTCTACAGCAGGGGGTCCACAAATGACCAGGACCTGCAAGGCAGGAC  
 AGCCTTGATGCTGGCATGTGAGGGGGCAGCCCTGAGACTGTTGAAGTACTCCTGCAGGGTGGAGCCAG  
 TTGAGCATCACTGATGCACTGGCCAGGATGCCACTACTACGGAGCCCTGACTGGAGACAACTCATCT  
 TGCAGTCTACACGAGTCTGCACGGCGCTTTCACCTCCCAGTGCCTCTAGAGGAGGACTCCGGAGA  
 GGCCTCATCCAGAAGTCAAGCCATGAGAAAACAAGGAGCCCCAAGAAGAGGAAGGCACCCAG  
 CCTCCAGCCAGCACACCAGTTCCTGACGATCGGGATGCTTATGAGGAGATTGTACGCTGAGACAAGAGA  
 GAGGCCGGCTCCTGAAAAGATCAGGGGCTGGAACAGCACAAGGAACGGAGGAGGAAGGAGCCCTGGA  
 GGCGGAGGCCAGCTCAGTGCACAGCCTGGAGAGACAGGTGCAGGAGCTGCAACAGATGCTGGCGGAGAAG  
 CAGGAGGAGAAGGAGAGCCTGGGCCGGGAGGTGGAGAGCCTGCAGAGCCGTGTCCCTGCTGGAGAATG  
 AGAGAGAAAACACAAGCTATGATGTAGCTACCCTGCAGGATGAGGAGGGTGAATGCCTGACTTCCCAGG  
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 ATGAGGCCAGATGGCAGAAGAAAGTCAAGCCGAGGTCGTCCTCCCTGGTCTGTATGAATCCTTACGGGC  
 AGAGCTTGAGCAGCTTCGGAGGCAATACACAGAGGCCATGCATTCGAGCAGCAGCAGCAGGAGGGGAG



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CCACCCAGGGCTCAAGAAGGAGAAGAGACAGCATACCAGGAAATCAAGGATAAGGGAATCACTATCCAGA  
 ATGGACCCAGCGTCCCAGACCTCAACGGCACCACATATGCAGAAACCAAAGCAAATGGAATGGAAGTCCA  
 AGCAGGAGGCTCCAAGGGTGTCTGGAATACTGAAGCAGGGGTTTCAGAAGCAGCACCCATAGAACCCGAG  
 GCTGCAGGTTTCAGAGGCCACGGGAAAGACAGACTGGCAGCCAAGGAAATGGACTACTGTCTACTATGG  
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 AGGAAAAGAGAAATCCAGGAATGAAAGCTGATGAGGTGGATGTGTTGGCACAGGCAGGGCTCACAGGTACA  
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 GAAGACTAGCGCAGAGGTCTTCCAGATCACAGACCTGTCCAAAGAAGTCTTTACACTGAAGGAGGCTCTG  
 AAGGTGCAGCAGTCCACCCAGCCAGCTCCAAGGAGGAGGAGGCTCTGCGCGGCCAGGTGACAGCCCTGC  
 AGCAGCAGATACAGGAGGAGGCCCGGGAGCATGGCGCTGTGGTGGCTTTATACCGCACCCATCTCCTGTA  
 TGCCATTACGGGACAGATGGATGAGGATGTACAGTGCATTTTGAGCCAGATTCTGCAGATGCAGCGGCTT  
 CAGGCTCAGGGTCCG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGAT AAGGTTTAA

**Protein Sequence:**

>MR211137 representing NM\_027480  
 Red=Cloning site Green=Tags(s)

MKTLRARFKKTEGQDWGKSDQRLQAVENNDVARVASLIAHKGLVPTKLDPEGKSAFHLLAAMRGAAGCLE  
 VMLAQGADVMSTDGAGYNALHLAAKYGHPECLKQLLEASCVVVDIEDSSGWTALHHAAGGCLSCSKLLCS  
 FKAHMNPRDRSGATPLIIAAQMCHTDLCRLLLQQGAATNDQDLQGRALMLACEGGSPETVEVLLQGAQ  
 LSITDALGQDATHYGALTDKLIQLLHESARRSSPPSASLEEDSGEASSQNSVSSHEKQGAPKRRKAPQ  
 PPASTPVPDDRDAYEEIVRLRQERGRLLQKIRGLEQHKERRRKEPLEAEASSVHSLERQVQELQQMLAEK  
 QEEKESLGREVESLQSRLSLLENERENTSYDVATLQDEEGEMPDFPGADALMPKNQSPSAEEIVASLQEQ  
 VAQLTRQNQELLEKVQILEEFKDEAQAEEESQAEVVPLVLYESLRAELEQLRRQYTEAMHSQQQQQEGE  
 PPRAQEGEETAYQEIKDKGITIQNGPSVPDLNGTTYAETKANGMELQAGGSKGVWNTAEAGVSEAAPIEPE  
 AAGSEATGKDRLAAKEMDTSATMAEALNVKALGDNAESEPVAEDTGGKENPGMKADEVDVLAQAGLTGT  
 VIRNMEAIGVRDTGIQATGLEAKAVKTTGVQATVAEVIGVKVTGVQTTAIEAIGVKDTTQVATGAQADCW  
 QATEADCTGAQDTAMEPTGAQATVTETTEAETSGTEDPCAAILHPGAAAAALQAELETRIRGLEEALRRR  
 EREAAAELEAARGRAEAEAAARGRSRELEALRELLATATGERARTEAAELRQALAASEARVAELSSST  
 VDAAREELERMARGASVPDEHEHALSALRDHVTRLQAQLADLARRHEKTSAEVFIITDLSKEVFTLKEAL  
 KVQQSTPASSKEEEALRGQVTALQQIQEEAREHGAVVALYRTHLLYAIQGMDEDVQCILSQILQMQR  
 LAQGR

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9102\\_c09.zip](https://cdn.origene.com/chromatograms/mm9102_c09.zip)

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_027480

**ORF Size:** 2955 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.

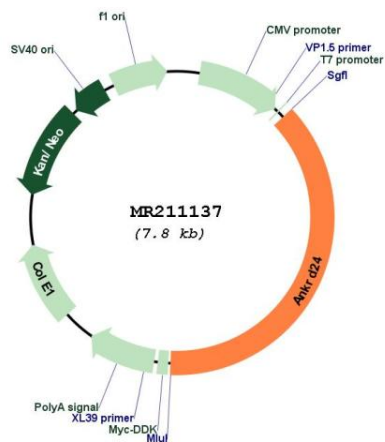
**RefSeq:** [NM\\_027480.3](#), [NP\\_081756.4](#)

**RefSeq Size:** 3658 bp

**RefSeq ORF:** 2958 bp

Locus ID: 70615  
 UniProt ID: [Q80VM7](#)  
 Cytogenetics: 10 39.72 cM  
 MW: 106.2 kDa

**Product images:**



Circular map for MR211137