

Product datasheet for MR228654

Ankrd10 (NM_001281974) Mouse Tagged ORF Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Ankrd10 (NM_001281974) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Ankrd10 |
| Synonyms: | 4833425P12Rik; AW549277 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |
| ORF Nucleotide Sequence: | >MR228654 representing NM_001281974 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCCGTTTCTGTCATAATGGCACCTTGAGTGGAGGTCATGAGAGCATACTGCCCACTCACGTTAGCC
TGGGAACAAACCGAAAGAGATGCCTGGAAGACTCAGAATCTTTGGGAGTGAAGAAAGCTAGAACCAGAGT
TCCCAGCCTGGATCACGCCATGCCTCTAGCAAATGGAGAGGCTGAAGATGATGCCGACAGAATGCACGTG
GACAGAGAGTGTGCTGTATCAGATATGAAAAACAGTAGCTCCGTGTTGAATACATTGACAAATGGAA
GTGTCGTCGAATGGACATTTGGACTTCCCCTGCGCGAACCAAGCTCAATGGGATGGAGAGCAGGAGTCACCC
GTGCTTAACAGGATCTAATGGCGTTAGCAATGGACAGCCATTGTCCAGTGGCCAGGCCTCTGTCTGTCT
AATGGGACTGAGGAGCCAGAAAAGACCATGGGCATTAACCCCGAGATGTGTGGGTCTCTCCATCTGAACG
GGAGCCCAAGTAGCTGTGTGGCCAGCAGGCCGTCCTGGGTGGGGACATAGGGGAGAGCTTGCACTACGG
ACACTACCATGGATTTGGGGACTGCTGAGAGCATCCCTGAGCTAAGCAGTGTGCTGGAGCACACGAGC
TGTGTTTCGGGTGGAACAGCGCTACGACAGTGTCTGCTGGGCGCTATGCAGCTGCACCACGGCTCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR228654 representing NM_001281974
 Red=Cloning site Green=Tags(s)

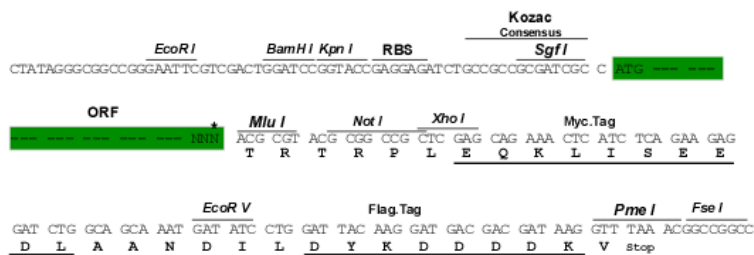
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MSRFCHNGTSLGGHESILPTHVSLGTNRKRCLDSESLGVKKARTRVPSLDHAMPLANGEAEDDADRMHV
DRECAAVSDMKNSSSVLNTLTNGSVVNGHLDFPCANQLNGMESRSHPCLTGSNGVSNQPLSSGQASVSA
NGTTEEPEKTMGINPEMCGSLHLNGSPSSCVASRPSWVGDIGESLHYGHYHGF GDTAESIPELSSVLEHTS
CVRVEQRYDSAVLGAMQLHHGS
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

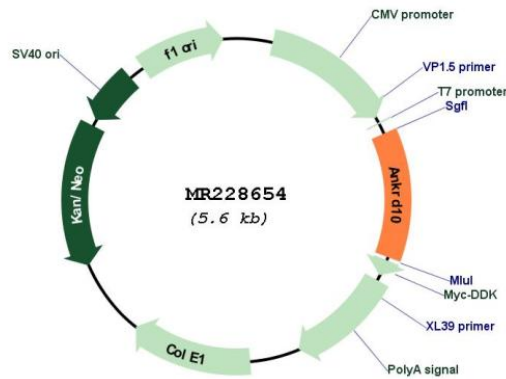
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001281974

ORF Size: 696 bp

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| 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_001281974.1 , NP_001268903.1 |
| RefSeq Size: | 2403 bp |
| RefSeq ORF: | 699 bp |
| Locus ID: | 102334 |
| UniProt ID: | Q99LW0 |
| Cytogenetics: | 8 A1.1 |
| MW: | 25 kDa |