

Product datasheet for MR204172

Ankrd54 (NM_144849) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ankrd54 (NM_144849) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ankrd54
Synonyms:	C730048E16Rik; EST475269; EST1068184; Liar
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204172 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGCCACCGCGGGGGCGCGGACGACGAGTCGCGATCCGGCCGCTCGAGCTCGGACGGCGAGTGCG
CGGTGGCGCCGGAGCCTTTGGCGGAAGCCGGAGGCCTGGTGTCTTCGCGGACTTCGGCCTTCGCTGGG
CAGCGGCGCCGGCCTCCCGGGCCGGTGGTGGCAGGGCCAGTCTCGCTGCGTACCTCCAGGTCTG
TGGCAGCAGGACGTCGAGCCTCGCGACGAAGTGCCTTGAAGATCCCGCCGGCGGTTGAGGCGTGCCG
CCAGGCCCCACCGTCCGGCTCGGGCCACCGCAAGGAGGTACACGCTCTGAAGAGGCTGAGGACTCTGC
CAATGCCAACGACGTAGAAACAGTGCAGCAGTCTGGAAGATGGGGCGGATCCCTGCGCAGCGGATGAT
AAAGGCAGAACTGCCCTCCATTTTGCTTCTGCAATGGCAATGACCAGATTGTGCAGCTGCTCCTGGACC
ATGGGGCTGACCCCAACCAACAGGATGGTCTGGGCAACACGCCATTGCACCTGGCGGCTGCACCAACCA
TGTTCTGTATCACCACACTGCTTCGAGGAGGGGCCGTGTAGATGCCCTAGACAGAGCTGGCCGACA
CCCCTACACCTGGCCAAGTGAAGCTGAACATCTACAGGAGGGTCATCCAGTGTCTGGAGGCCGTC
GCCTGGAGGTGAAGCAGATCATCCATGCTACGCGAGTACCTGGAGCGCCTGGGCGGCATGAGCAGCG
AGAACGGCTAGATGACCTCTGCACCCGCTCCAGATGACAAGTACCAAAGAACAGGTGGATGAAGTGACG
GACCTCTGGCCAGCTTACCTCCCTCAGTCTGCAGATGCAGAGTATGGAGAAGAGG

ACGCGTACGCGGCGCCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR204172 protein sequence
 Red=Cloning site Green=Tags(s)

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MAATGGGADDESRSRSGRSSSDGECVAPEPLAEAGGLVSFADFVSLGSGAGLPGRSVGRAQSSLRYLQVL
WQQDVEPRDELRCRKIPAGRLRRAARPHRRLGPTGKEVHALKRLRDSANANDVETVQQLLEDGADPCAADD
KGR TALHFASCNGNDQIVQLLLDHGADPNQQDGLGNTPLHLAACTNHVPVITTLRGGARVDALDRAGRT
PLHLAKSKLNILQEGHSQCLEAVRLEVKQIIHMLREYLERLRGRHEQRERLDDLCTRLQMTSTKEQVDEV
T DLLASF TSLSLQMQSMEKR
  
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_144849

ORF Size: 900 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_144849.1](#), [NP_659098.1](#)

RefSeq Size: 1894 bp

RefSeq ORF: 900 bp

Locus ID: 223690

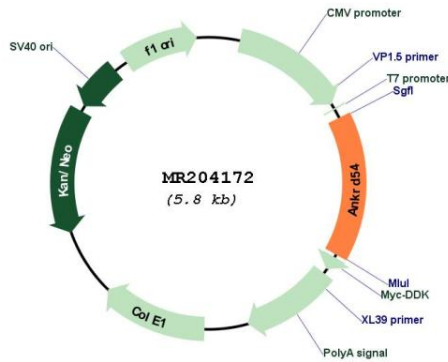
UniProt ID: [Q91WK7](#)

Cytogenetics: 15 37.7 cM

MW: 32.5 kDa

Gene Summary: Plays an important role in regulating intracellular signaling events associated with erythroid terminal differentiation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR204172