

Product datasheet for **MG204172**

Ankrd54 (NM_144849) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ankrd54 (NM_144849) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Ankrd54
Synonyms: C730048E16Rik; EST475269; EST1068184; Liar
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG204172 representing NM_144849
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCAGCCACCGCGGGGGCGCGGACGACGAGTCGCGATCCGGCCGCTCGAGCTCGGACGGCGAGTGCG
 CGGTGGCGCCGGAGCCTTTGGCGGAAGCCGGAGGCCTGGTGTCTTCGCGGACTTCGGCCTTCGCTGGG
 CAGCGGCGCCGGCCTCCCGGGCCGGTCGGTGGCAGGGCCAGTCCTCGCTGCGCTACCTCCAGGTCCTG
 TGGCAGCAGGACGTCGAGCCTCGCGACGAAGTGCCTTGAAGATCCCGCCGGCGGTTGAGGCGTGCCG
 CCAGGCCCCACCGTCGGCTCGGGCCACCGGCAAGGAGGTACACGCTCTGAAGAGGCTGAGGACTCTGC
 CAATGCCAACGACGTAGAAACAGTGCAGCAGCTGCTGGAAGATGGGGCGGATCCCTGCGCAGCGGATGAT
 AAAGGCAGAACTGCCCTCCATTTTGCTTCTGCAATGGCAATGACCAGATTGTGCAGCTGCTCCTGGACC
 ATGGGGCTGACCCCAACCAACAGGATGGTCTGGGCAACACGCCATTGCACCTGGCGGCTGCACCAACCA
 TGTTCTGTGATCACCACACTGCTTCGAGGAGGGGCCGTGTAGATGCCCTAGACAGAGCTGGCCGACA
 CCCCTACACCTGGCCAAGTGAAGCTGAACATCTACAGGAGGGTCATCCCAGTGTCTGGAGGCCGCTCC
 GCCTGGAGGTGAAGCAGATCATCCATGCTACGCGAGTACCTGGAGCGCCTGGGCGGCATGAGCAGCG
 AGAACGGCTAGATGACCTCTGCACCCGCTCCAGATGACAAGTACCAAAGAACAGGTGGATGAAGTGACG
 GACCTCTGGCCAGCTTACCTCCCTCAGTCTGCAGATGCAGAGTATGGAGAAGAGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204172 representing NM_144849
 Red=Cloning site Green=Tags(s)

MAATGGGADDESRSGRSSSDGECVAPEPLAEAGGLVSFADFVSLGSGAGLPGRSVGRAQSSRLRYLQVL
 WQQDVEPRDELCKIPAGRLRRAARPHRRLGPTGKEVHALKRLRDSANANDVETVQQLLEDGADPCAADD
 KGRTALHFASCNGNDQIVQLLLDHGADPNQDGLGNTPLHLAACTNHVPVITTLRGGARVDALDRAGRT
 PLHLAKSKLNILQEGHSQCLEAVRLEVKQIIHMLREYLERLRHEQRERLDDLCTRLQMTSTKEQVDEV
 DLLASFSTLSLQMQSMEKR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_144849

ORF Size: 897 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

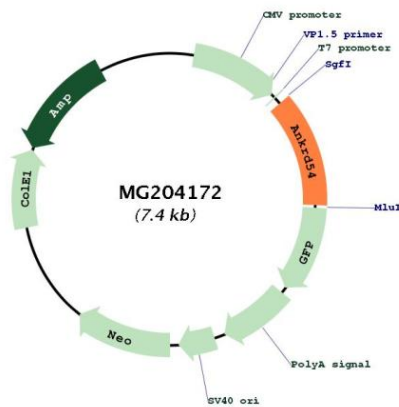
Locus ID: 223690

UniProt ID: [Q91WK7](#)

Cytogenetics: 15 37.7 cM

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 MG204172