

Product datasheet for **RG203528**

ANKRD54 (NM_138797) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | ANKRD54 (NM_138797) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | ANKRD54 |
| Synonyms: | LIAR |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >RG203528 representing NM_138797 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGCCGCCCGGGGACGCGGACGACGAGCCGCGCTCAGGCCACTCGAGCTCGGAGGGCGAGTGCG
CGGTGGCGCCGGAGCCGCTGACTGACGCTGAGGGCCTCTTCTCCTTCGCTGACTTCGGTCTGCGCTGGG
CGGCGGCGCGCGGGCCTCTCGGGCCGGCGTCCGGCGGGGCCAGTCGCCGCTGCGCTACTTGACAGTC
CTGTGGCAGCAGGATGCGGAGCCGCGGACGAGCTGCGTGAAGATACCCGCTGGCCGGCTGAGGCGCG
CTGCCAGGCCACCGGGGCTCGGGCCACGGGCAAGGAGGTGCACGCTCTGAAGAGACTGAGGGACTC
GGCCAATGCCAATGATGTGGAAACAGTGCAGCAGCTGCTGGAAGATGGCGCGGATCCCTGTGCAGCTGAT
GACAAGGGCCGCACAGCTCTACACTTTCCTCATGCAATGGCAATGACCAGATTGTGCAGCTGCTCCTGG
ACCATGGTGTGATCCTAACCAGCGAGATGGGCTGGGGAACACGCCACTGCACCTGGCGGCTGCACCAA
CCACGTTCTGTGATCACCACACTGCTACGAGGAGGGGCCGTAGATGCCCTGGACCGAGCTGGTTCG
ACACCCCTGCACCTGGCCAAGTCAAAGCTGAATATCCTGCAGGAGGGCCATGCCAGTGCCTAGAGGCTG
TGCGTCTGGAGGTGAAGCAGATCATCCATATGCTGAGGGAGTATCTGGAGCGCCTAGGGCAACATGAGCA
GCGAGAACGCCTGGATGACCTCTGCACCCGCTGCAGATGACCAGTACCAAAGAGCAGGTGGATGAAGTG
ACTGACCTCCTGGCCAGTTCACCTCCCTCAGTCTGCAGATGCAGAGCATGGAGAAGAGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG203528 representing NM_138797
Red=Cloning site Green=Tags(s)

MAAAAGDADDEPRSGHSSSEGECAVAPEPLTDAEGLFSFADFSGSALGGGGAGLSGRASGGAQSPLRYLHV
 LWQDAEPRDELRCRIPAGRLRRAARPHRRLGPTGKEVHALKRLRDSANANDVETVQQLLEDGADPCAAD
 DKGR TALHFASCNGNDQIVQLLLDHGADPNQRDGLGNTPLHLAACTNHVPVITTLRGGARVDALDRAGR
 TPLHLAKSKLNILQEGHAQCLEAVRLEVKQIIHMLREYLERLGQHEQRERLDDLCTRLQMTSTKEQVDEV
 TDLLASFTSLSLQMQSMEKR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_138797

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_138797.4](#)

RefSeq Size: 2099 bp

RefSeq ORF: 903 bp

Locus ID: 129138

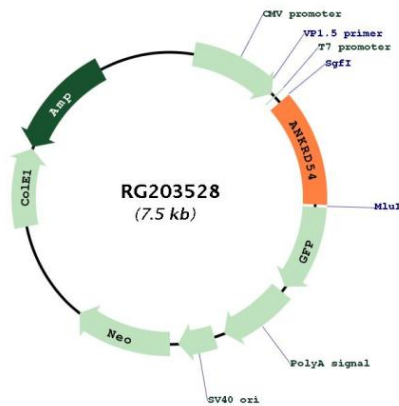
UniProt ID: [Q6NXT1](#)

Cytogenetics: 22q13.1

Domains: ANK

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 RG203528