

Product datasheet for RC203528

ANKRD54 (NM_138797) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ANKRD54 (NM_138797) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ANKRD54
Synonyms:	LIAR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC203528 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGCCGCCCGGGACGCGGACGACGAGCCGCGCTCAGGCCACTCGAGCTCGGAGGGCGAGTGCG
CGGTGGCGCCGGAGCCGCTGACTGACGCTGAGGGCCTCTTCTCCTTCGCTGACTTCGGTCTGCGCTGGG
CGGCGCGCGCGGGCCCTCTCGGGCCGGCGTCCGGCGGGGCCAGTCGCCGCTGCGCTACTTGACGTC
CTGTGGCAGCAGGATGCGGAGCCGCGGACGAGCTGCGCTGCAAGATACCCGCTGGCCGGCTGAGGCGCG
CTGCCAGGCCACCGGGCGCTCGGGCCACGGCAAGGAGGTGCACGCTCTGAAGAGACTGAGGGACTC
GGCCAATGCCAATGATGTGGAAACAGTGCAGCAGCTGCTGGAAGATGGCGCGGATCCCTGTGCAGCTGAT
GACAAGGGCCGCACAGCTCTACACTTTGCCTCATGCAATGGCAATGACCAGATTGTGCAGCTGCTCCTGG
ACCATGGTGTGATCCTAACCAGCGAGATGGGCTGGGGAACACGCCACTGCACCTGGCGGCTGCACCAA
CCACGTTCTGTGATCACCACACTGCTACGAGGAGGGGCCGTAGATGCCCTGGACCGAGCTGGTTCG
ACACCCCTGCACCTGGCCAAGTCAAAGTGAATATCCTGCAGGAGGGCCATGCCAGTGCCTAGAGGCTG
TGCGTCTGGAGGTGAAGCAGATCATCCATATGCTGAGGGAGTATCTGGAGCGCCTAGGGCAACATGAGCA
GCGAGAACGCCTGGATGACCTCTGCACCCGCTGCAGATGACCAGTACCAAGAGCAGGTGGATGAAGTG
ACTGACCTCCTGGCCAGTTACCTCCCTCAGTCTGCAGATGCAGAGCATGGAGAAGAGG

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC203528 protein sequence
Red=Cloning site Green=Tags(s)

MAAAAGDADDEPRSGHSSSEGECAVAPEPLTDAEGLFSFADFGSALGGGGAGLSGRASGGAQSPLRYLHV
 LWQDAEPRDEL RCKIPAGRLRRAARPHRRLGPTGKEVHALKRLRDSANANDVETVQQLLEDGADPCAAD
 DKGRTALHFASCNGNDQIVQLLLDHGADPNQRDGLGNTPLHLAACTNHVPVITLLRGGARVDALDRAGR
 TPLHLAKSKLNILQEGHAQCLEAVRLEVKQIIHMLREYLERLGQHEQRERLDDLCTRLQMTSTKEQVDEV
 TDLLASFTSLSLQM QSMEKR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6569_a08.zip

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: 2149 bp

RefSeq ORF: 903 bp

Locus ID: 129138

UniProt ID: [Q6NXT1](#)

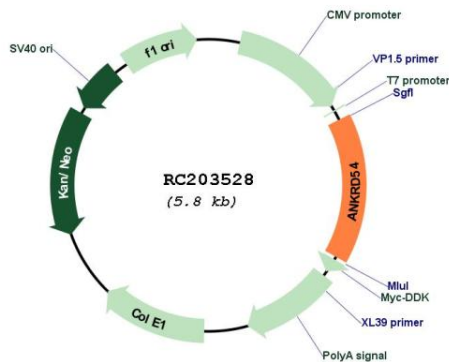
Cytogenetics: 22q13.1

Domains: ANK

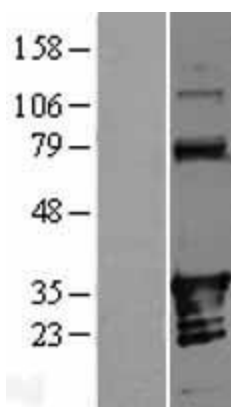
MW: 32.5 kDa

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

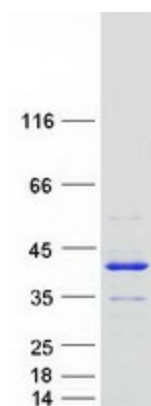
Product images:



Circular map for RC203528



Western blot validation of overexpression lysate (Cat# [LY408483]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203528 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified ANKRD54 protein (Cat# [TP303528]). The protein was produced from HEK293T cells transfected with ANKRD54 cDNA clone (Cat# RC203528) using MegaTran 2.0 (Cat# [TT210002]).