

Product datasheet for **RC213340**

ANKRD34A (NM_001039888) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	ANKRD34A
Synonyms:	ANKRD34
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC213340 representing NM_001039888
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGTTGCACACCGAGGGCCAGCTCTTCTTCGGCGGTGGGTACGGTAAGCTACGCTTGCCCCGTTTGC
 TTCTGGAGGGAGGCGCTACGTGAATGAGGGTGATGCGCAGGGGAGACTGCGCTAATGGCAGCCTGTCG
 GGCCCGCTACGACGACCCCAAGCAAGCACGCATGGTACGCTACCTCTGGAGCAAGCGCGGACCCC
 AATATCGCAGACCGATTAGGGCGCACGGCGCTCATGCACGCTTGC CGCGGGGTGGGGCGCCGCGTGG
 CCTCGTGCTCCTTGCCACGGCGCAGACCCCTCAGTCCGAGATCACGCGGGCGCCTCGGCTCTTGCCA
 CGCCCTGGACCGGGGACCGCAGACCCCTGCCACACTGCTGGACGCCTGCAAGCCAAGGTACGGAG
 GTCATCATCATCACCACCGATACCTCGCCCTCAGGCACCAAGAAGACCCGGCAGTATCTCAATTCTCCAC
 CATCCCAGGGGTGGAGGACCTGCTCCCGCTCTCCTAGCCCGGGTTCGACGTCGCCTTCGGAAT
 CCAACTGCAGACCGCTGGAGGAGGAGGGCTGGGATGTTATCCCTCGCGCCAGGAAGAAGAGGAGAAG
 CGGGACGTATTTGAATTCCTCTTCTTAAGCCCCCGATGACCATCCCCCTCCGAGCCGCTCCCAAAAC
 CACCACGCCATCCCCAAAACCACTCAAAGGCTCAACTCCGAGCCCTGGGGCCTAGTGGCCCTCTCA
 ACCAGTCCCAACCACTGAAGGGAGACGGGGATCGAGCGCTTGACTGCCGAATCAATGGCTGACCCTG
 ACCGGTCGACCCCGTCTTCCCGACGTACAGCACCGAAGGCCCTGAGGACCCGCCCTATGGGCGGAGA
 AAGTGACTAGCGGGGTCTCTCTCGCCGAAACACAGCACCAGAAGCTCAGGAGTCTGGTCCCCCTTC
 AGGGCTGAGGCAGAACTGAGCCGATGGAGCCAGTGGAGCTGGACACCCCTGGACACCTTTGCCCTGAC
 TCGCTGAGTCCAGCCGCTGTCCCTGGAGCGCCGCGATACAGCGCTCCCCGTTGACCTCCCTCCAG
 CCGGCTCGGCTCCCTCTCCGCGCCAGTCCAGGAGTCTGCCAGGGGCAGTATCTCCGCTAAGCGGAAG
 GAGGCGGAGTCCGGGGCTGCTGGAGCGGAGGGGCTCGGGGACGTTGCTCTGGACCACATCTCGCAAACG
 CGGCCGGGTTTCTACCCCTCTCAACGTAGTCCCCACCCTCCCATCCCTGACATTGCGCCACAACCCG
 GAGGTGCGGCGCCTTCGTTGCCCTGCCCTCCTTATGCCGGGGCGCCAGGCTCTCCAGGACCAAGCGCAA
 ATTGGTGAGACGCCACTCCATGCAGACTGAGCAGATCCGCTGCTGGGGGCTTCCAGAGTCTAGGTGGG
 CCTGGGGAGCCAGGGCGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC213340 representing NM_001039888
 Red=Cloning site Green=Tags(s)

MLHTEGHALLRAVGQGLRLARLLLEGGAYVNEGDAQGETALMAACRARYDDPQNKARMVRYLLEQGADP
 NIADRLGRTALMHACAGGGGAASVALLAHGADPSVRDHAGASALVHALDRGDRETLATLLDACKAKGTE
 VIIITTDTSPPSGTKKTRQYLNSPPSPGVDPAPASPSPGFCTSPSEIQLQTAGGGGRGMLSPRAQEEEEK
 RDVFEFPLPKPPDDPSPSEPLKPPRHPPKPLKRLNSEPWGLVAPPQVPPTTEGRPGIERLTAEFNGLTL
 TGRPRLSRRHSTEGPEDPPPWAKEVTSGGPLSRRNTAPEAQESGPPSGLRQKLSRMEPVLDTPGHLCPD
 SPESSRLSLERRYSASPLTLPPAGSAPSPRQSQESLPGAVSPLSGRRRSPGLLERRGSGTLLLDHISQT
 RPFGLPPLNVSPHPPIDIRPQPGGRAPSLPAPPYAGAPGSPRTKRKLVRHSMQTEQIRLLGGFQSLGG
 PGEPR

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

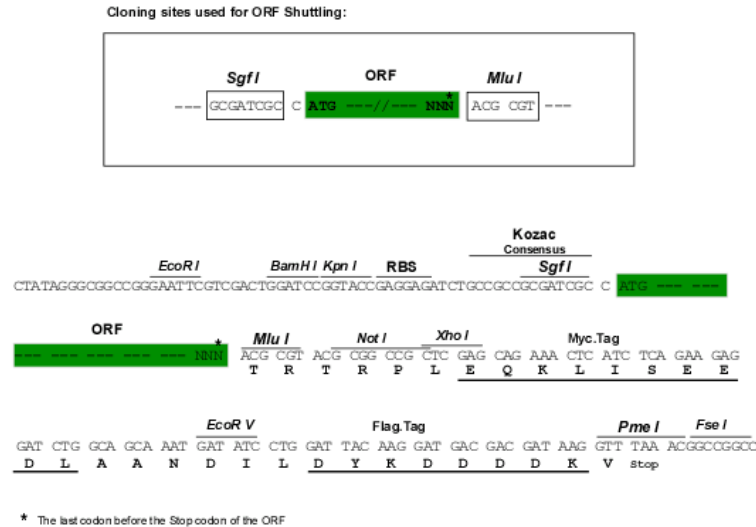
Chromatograms:

https://cdn.origene.com/chromatograms/mk8024_a07.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001039888

ORF Size: 1488 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001039888.4](#)

RefSeq Size: 3608 bp

RefSeq ORF: 1491 bp

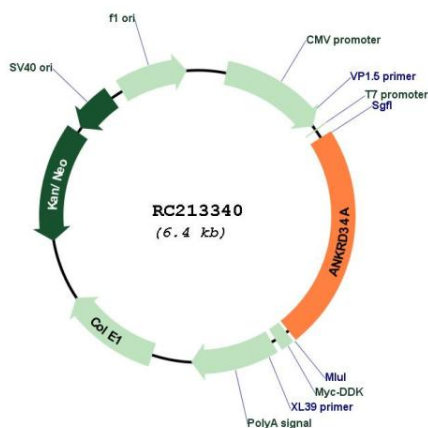
Locus ID: 284615

UniProt ID: Q69YU3

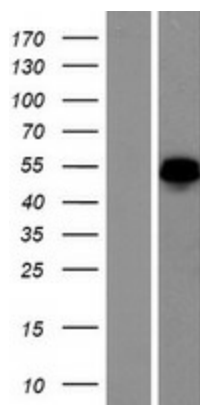
Cytogenetics: 1q21.1

MW: 52.5 kDa

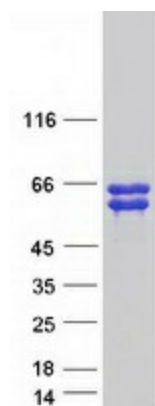
Product images:



Circular map for RC213340



Western blot validation of overexpression lysate (Cat# [LY421848]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC213340 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified ANKRD34A protein (Cat# [TP313340]). The protein was produced from HEK293T cells transfected with ANKRD34A cDNA clone (Cat# RC213340) using MegaTran 2.0 (Cat# [TT210002]).