

Product datasheet for **MR204386**

Ankra2 (BC079615) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ankra2 (BC079615) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ankra2
Synonyms:	1110004M18Rik; Ankra
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204386 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTACATCTGCAAATCTGGACATTGGGGCCAGCTGATCGTGGAGAGTGTCCAGCAGCTATATCT
CTGGGATGCCAGACATCAAGCTAGAGCACCAGCTAGACCCAAACCCAGATGAAGGAGCAGCCAGGGCGT
CGCCATGGGGATGAAATTCATATTGCCAAACCGATTTGATATGAACGTGTGTTCTCGATTCTGGAAGTCC
TTAAATGAAGAGGATAGTAAAAATATTCAAGATCAAGTAACTCTGACCTGGAGGTGGCATCTGTCTTAT
TTAAAGCTGAGTGAATATCCATACATCTCCTTCTCCTGGAATCAAGTAAGGCATGTCTACACACCATC
TACAACAAAACATTTCTACCCATAAAAACAGTCAACTACTTTAACCAACAAGCACAGGGGAAACGAGGTC
TCTACCACACCTCTGTTAGCAAATTTCTGTCTGCTCACCAGTTGGCAGCCAGGGAGAGATGCTCTACC
TGGCTACTCGTATTGAACAAGAAAATGTTATCAATCACACGGATGAAGAAGGATTTACCCCTGATGTG
GGCTGCGGCACATGGGCAATAGCTGTGGTAGAGTTCTTCTTCAGAATGGTGCAGATCCCAGCTTCTA
GGAAAAGGTCGAGAAAGTGTCTGTCTTGCCTGTAGCAAGGGCTACACAGACATTGTCAAATGCTGC
TTGACTGTGGAGTTGACGTCAATGAATATGACTGGAACGGAGGGACACCTTTGCTTTACGCTGTCCATGG
GAACACGTGAAGTGCGTGAAGATGCTGTTGGAAAATGGAGCTGACCCAACAATTGAAACAGACTCTGCC
TATAATTTCTATGGACCTAGCTGTAGCTTTGGGCTACAGAGGTGCTCTGATTATATGCTTGTACAGATGT
CTTCAGGATTTTCAGTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR204386 protein sequence
Red=Cloning site Green=Tags(s)

MATSANLDIGAQLIVEECPSSYISGMPDIKLEHQLDPNPDEGAAQGVAMGMKFI LPNRFD MNVCSR FVKS
 LNEEDSKNIQDQVNSDLEVASVLFKAECNIHTSPSPGIQVRHVYTPSTTKHFSP I KQSTTLTNKHRGNEV
 STTPLLANSLSAHQ LAAQGEMLYLATRIEQENVINHTDEEGFTPLM WAAAHGQI AVVFE LLQNGADPQLL
 GKGRESALSLACSKGYTDIVKMLLD CGVDVNEYDWNNGGTPLL YAVHGNHVKCVKMLLENGADPTIETDSG
 YNSMDLAVALGYRGALIIICLSQMSSGSFSV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: BC079615

ORF Size: 927 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: [BC079615](#), [AAH79615](#)

RefSeq Size: 2052 bp

RefSeq ORF: 929 bp

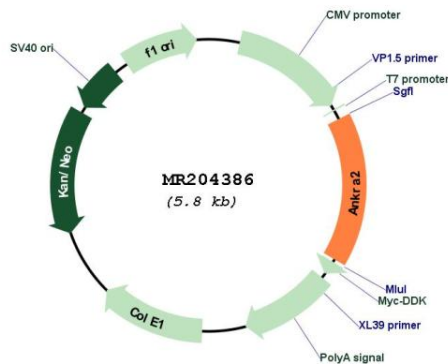
Locus ID: 68558

Cytogenetics: 13 D1

MW: 33.5 kDa

Gene Summary: May regulate the interaction between the 3M complex and the histone deacetylases HDAC4 and HDAC5 (By similarity). May also regulate LRP2/megalin (PubMed:11095640).
[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR204386