

Product datasheet for **MG204386**

Ankra2 (BC079615) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ankra2 (BC079615) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ankra2
Synonyms:	1110004M18Rik; Ankra
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG204386 representing BC079615 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTACATCTGCAAATCTGGACATTGGGGCCAGCTGATCGTGGAAAGAGTGTCACAGCAGCTATATCT
CTGGGATGCCAGACATCAAGCTAGAGCACCAGCTAGACCCAAACCCAGATGAAGGAGCAGCCAGGGCGT
CGCCATGGGGATGAAATTCATATTGCCAAACCGATTTGATATGAACGTGTGTTCTCGATTCTGGAAGTCC
TTAAATGAAGAGGATAGTAAAAATATTCAAGATCAAGTAACTCTGACCTGGAGGTGGCATCTGTCTTAT
TTAAAGCTGAGTGCAATATCCATACATCTCCTTCTCCTGGAATTCAGTAAGGCATGTCTACACACCATC
TACAACAAAACATTTCTACCCATAAAAACAGTCAACTACTTTAACCAACAAGCACAGGGGAAACGAGGTC
TCTACCACACCTCTGTTAGCAAATTTCTGTCTGCTCACCAGTTGGCAGCCAGGGAGAGATGCTCTACC
TGGCTACTCGTATTGAACAAGAAAATGTTATCAATCACACGGATGAAGAAGGATTTACCCCTGATGTG
GGCTGCGGCACATGGGCAATAGCTGTGGTAGAGTTCTTCTTCAGAATGGTGCAGATCCCAGCTTCTA
GGAAAAGGTGAGAAAGTGTCTGTCTTGCCTGTAGCAAGGGCTACACAGACATTGTCAAATGCTGC
TTGACTGTGGAGTTGACGTCAATGAATATGACTGGAACGGAGGGACACCTTTGCTTTACGCTGTCCATGG
GAACACGTGAAGTGCCTGAAGATGCTGTTGAAAATGGAGCTGACCCAACAATTGAAACAGACTCTGCC
TATAATTTCTATGGACCTAGCTGTAGCTTTGGGCTACAGAGGTGCTCTGATTATATGCTTGTACAGATGT
CTTCAGGATTTTCAGTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204386 representing BC079615
 Red=Cloning site Green=Tags(s)

MATSANLDIGAQLIVEECPSSYISGMPDIKLEHQLDPNPDEGAAQGVAMGMKFIIPNRFDMNVCSRFBKSL
 LNEEDSKNIQDQVNSDLVAVSLFKAECNIHTSPSPGIQVRHVYTPSTTKHFSPKIQSTTLTNKHRGNEV
 STTPLLANSLSAHQLAQAQEMLYLATRIEQENVINHTDEEGFTPLMWWAAAHGQIAVVEFLLQNGADPQLL
 GKGRESALSLACSKGYTDIVKMLLDGVDVNEYDWNNGGTPLLYAVHGNHVKCVKMLLENGADPTIETDMSG
 YNSMDLAVALGYRGALIIICLSQMSSGSFV

TRTRPLE - GFP Tag - V

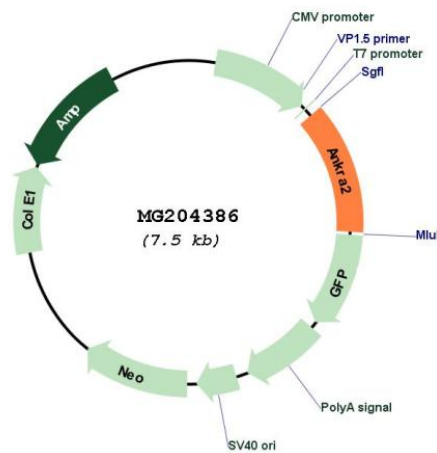
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: BC079615

ORF Size: 929 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:	<ol style="list-style-type: none">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
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]