

Product datasheet for MR204185

Ankmy2 (BC012275) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ankmy2 (BC012275) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ankmy2
Synonyms:	ZMYND20, MGC18754
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204185 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGTCACATAAAGAAAGCGAGCTGACCCAGGAGGAAAAGGAAGTCTGGAAGTGATCGGAAAGGTA
CTGTCCAAGAAGCCGGAAGACTGTTGTCTAGTAAGAATGTTTCATGTCAACTGCTTGGATGAGAATGGAAT
GACTCCTTTGATGCATGCAGCCTATAAAGGAACTCGAGATGTGCAAGCTCCTCTGCGCCATGGAGCT
GACGCCAGTTGCCATCAGCATGAGCACGGGTACACAGCCCTCATGTTTGTGCGCTTTCCGGTAATAAAG
ACATCACTTGGGTTATGCTGGAAGCAGGCGCAGAGACCGATGTTGTGAAGTCCGGTGGGAAGAACTGCTGC
CCAGATGGCAGCCTTTGTGGGTCAGCACGATTGCGTGGCTATCATCAACAATTTCTCCCTCGAGAGAGA
CTGGATTATTACACTAAACCCAGGGACTGGATAAAGAGCCAAAAGTGCCTCAAAGTTGGCAGGCCCGC
TACACAAAATCATCACCACAACGAATCTCCACCCTGTCAAGATCGTGATGCTTGTGAGTGAGAACCCTCT
GCTGGCAGACGCAGCTGCTCTCGGTAATGCTACAGGGTGATGGATTTGATCTGTGAGAAATGCATGAAA
CAGAGAGACATGAATGAAGTGTGGCTATGAAAATGCACTACATCAGCTGCATCTTTCAGAAATGCATTA
CCTTCTCAAAGAAGGAGAGAATAAGCTGGACACCCTGATCAGAAGCTTGTGAAAGGCCGAGCGTCTGA
TGGCTTCCCGGTGATCAGGAAAAGATCATCAGAGAAAGCATCCGGAAGTTTCCATACTGTGAAGCCACA
CTCCTACAGCAGCTGGTCCGAAGCATCGCTCCAGTTGAAATTGTAAGGCTCCTCTTTTGC

ACGCGTACGCGGCCGCTCGAGCAGAAAAGTCACTCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR204185 protein sequence
Red=Cloning site Green=Tags(s)

MGHIKKGELTQEEKELLEVIKGTVQEAGRLSSKNVHVNCLDENGMTPLMHAAYKGMCKLLLRHGA
 DASCHQHEHGYTALMFAALSGNKDITWVMLEAGAETDVVNSVGRATAAQAFAVQGHDCVAIINNFFPRER
 LDYYTKPQGLDKEPKLPPKLAGPLHKIITTTNLHPVKIVMLVSENPLADAAAALGKYRVDLICEKCMK
 QRDMNEVLAMKMHYISCFQKCIITFLKEGENKLDLIRSLKGRASDGFVYQEKI IRESIRKFPYCEAT
 LLQLVRSIAPVEIVRLLFC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: BC012275

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.

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

RefSeq: [BC012275](#), [AAH12275](#)

RefSeq Size: 1525 bp

RefSeq ORF: 902 bp

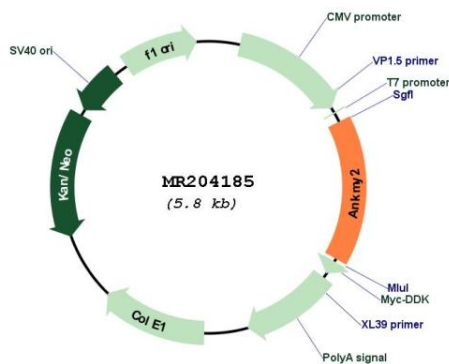
Locus ID: 217473

Cytogenetics: 12 A3

MW: 33.6 kDa

Gene Summary: May be involved in the trafficking of signaling proteins to the cilia.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR204185