

Product datasheet for **MG204185**

Ankmy2 (BC012275) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ankmy2 (BC012275) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ankmy2
Synonyms:	ZMYND20, MGC18754
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG204185 representing BC012275 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGTCACATAAAGAAAGGCGAGCTGACCCAGGAGGAAAAGGAAGTCTGGAAGTGATCGGAAAGGTA
CTGTCCAAGAAGCCGGAAGACTGTTGTCTAGTAAGAATGTTTCATGTCAACTGCTTGGATGAGAATGGAAT
GACTCCTTTGATGCATGCAGCCTATAAAGGAACTCGAGATGTGCAAGCTCCTCTGCGCCATGGAGCT
GACGCCAGTTGCCATCAGCATGAGCACGGGTACACAGCCCTCATGTTTGTGCGCTTTCCGGTAATAAAG
ACATCACTTGGGTTATGCTGGAAGCAGGCGCAGAGACCGATGTTGTGAAGTCCGGTGGGAAGAACTGCTGC
CCAGATGGCAGCCTTTGTGGGTACGACGATTGGGTGGCTATCATCAACAATTTCTCCCTCGAGAGAGA
CTGGATTATTACACTAAACCCCGAGGACTGGATAAAGAGCCAAAAGTGCCTCAAAGTTGGCAGGCCCGC
TACACAAAATCATCACCACAACGAATCTCCACCCTGTCAAGATCGTGATGCTTGTGAGTGAGAACCCTCT
GCTGGCAGACGCAGCTGCTCTCGGTAATGCTACAGGGTGATGGATTTGATCTGTGAGAAATGCATGAAA
CAGAGAGACATGAATGAAGTGTGGCTATGAAAATGCACTACATCAGCTGCATCTTTAGAAAATGCATTA
CCTTCTCAAAGAAGGAGAGAATAAGCTGGACACCCTGATCAGAAGCTTGTGAAAGGCCGAGCGTCTGA
TGGCTTCCCGGTGATCAGGAAAAGATCATCAGAGAAAGCATCCGGAAGTTTCCATACTGTGAAGCCACA
CTCCTACAGCAGCTGGTCCGAAGCATCGCTCCAGTTGAAATTGTAAGGCTCCTCTTTTGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204185 representing BC012275
 Red=Cloning site Green=Tags(s)

MGHIKKGELTQEEKELLEVIKGTVQEAGRLSSKNVHVNCLDENGMTPLMHAAYKGLKEMCKLLLRHGA
 DASCHQHEHGYTALMFAALSGNKDITWVMLEAGAETDVVNSVGRATAQMAAFVQGHDCVAIINNFFPRER
 LDYYTKPQGLDKEPKLPPKLAGPLHKIITTTNLHPVKIVMLVSENPLADAAAALGKCYRVMDLICEKCMK
 QRDMNEVLAMKMHYISCFQKCIITFLKEGENKLDLIRSLKGRASDGFVPVYQEKI IRESIRKFPYCEAT
 LLQLVRSIAPVEIVRLLFC

TRTRPLE - GFP Tag - V

Restriction Sites:

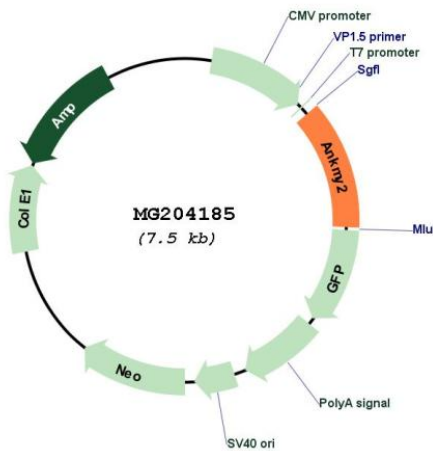
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: BC012275

ORF Size: 902 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:	BC012275 , AAH12275
RefSeq Size:	1525 bp
RefSeq ORF:	902 bp
Locus ID:	217473
Cytogenetics:	12 A3
Gene Summary:	May be involved in the trafficking of signaling proteins to the cilia.[UniProtKB/Swiss-Prot Function]