

## Product datasheet for **MG207004**

### Ankmy2 (NM\_146033) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ankmy2 (NM_146033) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ankmy2
Synonyms:	A1035571; ZMYND20
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG207004 representing NM_146033 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGTCACATAAAGAAAGGCGAGCTGACCCAGGAGGAAAAGGAAGTCTGGAAGTATCGGGAAAGGTA  
CTGTCCAAGAAGCCGAAGACTGTTGTCTAGTAAGAATGTTTCATGTCAACTGCTTGGATGAGAATGGAAT  
GACTCCTTTGATGCATGCAGCCTATAAAGGAACTCGAGATGTGCAAGCTCCTCTGCGCCATGGAGCT  
GACGCCAGTTGCCATCAGCATGAGCAGGGTACACAGCCCTCATGTTTGTGCGCTTCCGGTAATAAAG  
ACATCACTTGGGTCATGTGGAAGCAGGCGCAGAGACCGATGTTGTGAAGTCCGGTGGGAAGAACTGCTGC  
CCAGATGGCAGCCTTTGTGGGTCAGCACGATTGCGTGGCTATCATCAACAATTTCTCCCTCGAGAGAGA  
CTGGATTATTACACTAAACCCCGAGGACTGGATAAAGAGCCAAAAGTGCCTCAAAGTTGGCAGGCCCGC  
TACACAAAATCATCACCACAACGAATCTCCACCCTGTCAAGATCGTGATGCTTGTGAGTGAGAACCTCT  
GCTGGCAGACGCAGCTGCTCTCGGTAATGCTACAGGGTATGGATTTGATCTGTGAGAAATGCATGAAA  
CAGAGAGACATGAATGAAGTGTGGCTATGAAAATGCACTACATCAGCTGCATCTTTCAGAAATGCATTA  
CCTTCTCAAAGAAGGAGAGAATAAGCTGGACACCCTGATCAGAAGCTTGTGAAAGGCCGAGCGTCTGA  
TGGCTTCCCGGTATCAGGAAAAGATCATCAGAGAAAGCATCCGGAAGTTTCCATACTGTGAAGCCACA  
CTCCTACAGCAGCTGGTGGCAGCATCGCTCCAGTTGAAATGGTCTGATCCCCTGCAATCTCTGTGC  
TTACCAAGCCATCACAGGGCAAGTGGGCTTTGTGGATGTTGAGTTTTGTACCACCTGTGGAGAAAAGG  
AGCGAGCAAAAAGATGTTCCGGTTTGTAAAATGGTAAATATATTGTGACCAGACCTGCCAGAAGACACTGG  
TTCGCACATAAGAAGATGTGTAAGAGTCTGAAAGATGTCTATGAGAAGCAACAGATTGAAGCTGCCAAAC  
ATAAGAGACAGGAGGAAAAGAAATGGAAACCCCAATGTCAGTTCTAACCATGTCAATGAAGATCAACCAGA  
AGCTGAAGAGGGCATCACTCAAGAAAATTCATTCTAGCGATTCTGTGGAAGGGGAGAAAAGAGCTGCT  
AATGACTGACTGGCCAGTGCACAAGACGCTCTACAGGGCCACAGTTGTCCGAGGAA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG207004 representing NM\_146033  
 Red=Cloning site Green=Tags(s)

```

MGHIKKGELTQEEKELLEVIKGTVQEAGRLSSKNVHVNCLDENGMTPLMHAAYKGKLEMCKLLLRHGA
DASCHQHEHYTALMFAALSGNKDITWVMLEAGAETDVVNSVGRATAQMAAFVQGHDCVAIINNFPRR
LDYYTKPQGLDKEPKLPPKLAGPLHKIITTTNLHPVKIVMLVSENPLADAAAALGKCYRVMDLICEKCMK
QRDMNEVLAMKMHYISCFQKCIITFLKEGENKLDLIRSLKGRASDGFVYQEKI IRESIRKFPYCEAT
LLQQLVRSIAPVEIGSDPTAFSVLTQAITGQVGFVDVEFCTTCGEKGASKRCSVCKMVIYCDQTCQKTHW
FAHKMKCKSLKDVIYEQQIEAAKHKRQEEKNGNPNVSSNHVNEDQPEAEEGITQENSIPSDSVEGEKEAA
NDTGLASAQDAPTGPQLSEE
  
```

TRTRPLE - GFP Tag - V

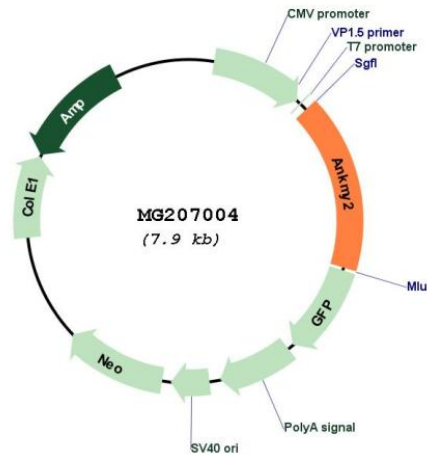
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_146033

<b>ORF Size:</b>	1320 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_146033.3</a> , <a href="#">NP_666145.3</a>
<b>RefSeq Size:</b>	2458 bp
<b>RefSeq ORF:</b>	1323 bp
<b>Locus ID:</b>	217473
<b>UniProt ID:</b>	<a href="#">Q3TPE9</a>
<b>Cytogenetics:</b>	12 A3
<b>Gene Summary:</b>	May be involved in the trafficking of signaling proteins to the cilia.[UniProtKB/Swiss-Prot Function]