

Product datasheet for **RR215601**

Ankmy2 (NM_001108019) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Ankmy2 (NM_001108019) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Ankmy2
 Synonyms: Gna14
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 ORF Nucleotide Sequence: >RR215601 representing NM_001108019
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGTACATAAAGAAAGGCGAGCTGACCCAGGAGGAAAAGGAAGTGTGGAAGTGATCGGAAAAGGTA
 CCGTCCGAGAAGCCGGGACACTGTTGTCTAGTAAGAATGTTTCATGTCAACTGCTTGGATGAGAATGGAAT
 GACTCCTTTAATGCATGCGGCATATAAGGGAAAAGTGAATGTGCAAATGCTTCTGCGACATGGAGCT
 GATGTCAACTGCCATCAGCATGTGCATGGGTATACGGCCCTCATGTTGCCGCACTGTCTGGTAATAAAG
 ACATCACCTGGCCATGCTGGAGCGGGAGCAGAGACAGACGTTGTGAACTCGGTGGGAAGAACGGCCTC
 CCAGATGGCAGCCTTTGTGGGTGAGTATGATTGTGTGGCTATCATCAACAATTTTTCCCTCGAGAGAGA
 CTGGATTATTACACCAAAACCCAGGGACTGGATAAGGAGCCAAAAGTCCCTCCAAAGTTGGCAGGCCAC
 TGCACAAAATCATCACCACGACGAATCTCCACCCTGTCAAGATCGTGATGCTTGTGAGTGAGAACCCTCT
 GCTGGCAGACGACGGCTCTCGGTAATGCTACAAGGTGATGGATTTGATCTGTGAGAAATGCATGAAG
 CAAAGAGACATGAATGAAGTCTGGCTATGAAAATGCACTATATCAGCTGCATCTTTCAGAAATGCATTA
 CCTTCTCAAGGAAGGGGAGAATAAGCTGGACGCCCTGATCAAAAGCTTGTGAAAGGCAGAGCCGCGGA
 CGGCTTCCAGTGTATCAGGAAAAGATCATCAGAGAAAAGCATCAGGAAGTTTCCCTACTGCGAAGCTACA
 CTCTCCAGCAGCTGGTGCAGCATCGCTCCAGTTGAAATCGTGATATATTGTGACCAGATCTGCCAGA
 AGACACACTGGTTCGCACATAAGAAGATGTGTAAGAGTCTGAAAGATGTTTATGAGAAGCAGCAGACCGA
 AGCTGCCAAACAGAAGAGGCAGGAGGAAGCAATGCCAATTCTAACCATGTTAATGAAGATGAACCCAGAG
 GCTGAAGTGGGTATCTCTACGAAGATCCCACTCCTGGCAGTCTGTGAAAGGGAGGAGGAAGCCAGCA
 AGGAGGCTGAACTGGCAGTGCACAGGATGCTCCTGCAGGCCACAGCTGTCCGAGGAG

ACGCGTACGCGGCCGCTCGAGCAGAAAAGTCTCAGAAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR215601 representing NM_001108019
 Red=Cloning site Green=Tags(s)

MGHIKKGELTQEEKELLEVIKGTVREAGTLLSSKNVHVNCLDENGMTPLMHAAYK GKLEMCKLLLRHGA
 DVNCHQHVHGYTALMFAALSGNKDITWAMLEAGAETDVVNSVGR TASQMAAFVGQYDCVAIINNFFPRER
 LDYYTKPQGLDKPKLPPKLAGPLHKIITTTNLHPVKIVMLVSENPLADAAAALGKCYKVMDLICEKCMK
 QRDMNEVLAMKMHYISCFQKCI TFLKEGENKLDALIKSLLKGRASDGFVYQEKI IRESIRKFPYCEAT
 LLQQLVRSIAPVEIVIYCDQICQKTHWF AHKMKCKSLKDVEKQQTEAAKQKRQEEANANSNHVNEDEPE
 AEVGI SHEDPTPGESVEREEEASKEAELGSAQDAPAGPQLSEE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

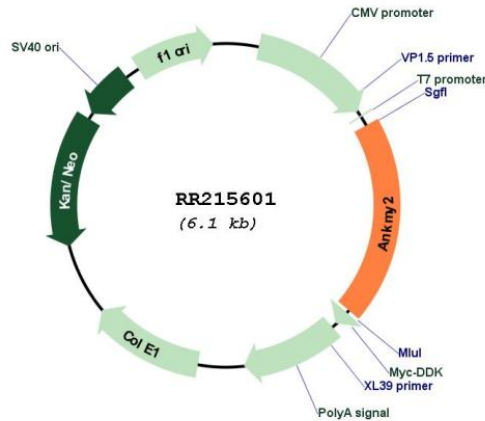
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001108019

ORF Size:	1179 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:	NM_001108019.1 , NP_001101489.1
RefSeq Size:	2229 bp
RefSeq ORF:	1182 bp
Locus ID:	314046
Cytogenetics:	6q16
MW:	43.9 kDa