

Product datasheet for **MG221219**

Ankfn1 (NM_001080933) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ankfn1 (NM_001080933) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ankfn1
Synonyms:	Gm1175
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG221219 representing NM_001080933
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCACGAATAGGAAGGAGTTTCGCTTTCGCGCAGAGGCTGAGCTACAGGAGAAAGCAGAGCCAAT
 GTGATTTATTGAATGAAAGCACTGGACACTTACCAGCAACTTGTTCCTCTGCTGCCTCGAAGAGCTTAAG
 CTGGAAGTACTGCTCGAAAATGACCCAGCAAAATGCAGAACTTACATCTTCCAGTCAAAAAACACAGT
 GCTCCATCGTCTCCCAATGCTGCCAAGCGACTGTACAGGAACCTCTCGGAGAAGCTGAAGGGCAGTCACT
 CGTCTTTGATGAGGCCTATTTAGAACAAGAACGGATCGGCTGAGTCTCAGAAAGACTTCTGTGAACCT
 CCAGGGCAACGAAGCCATGTTTGAGGCAGTTGAGCAACAGGACCTAGATGCTGTGCAACTCTCTCTAC
 CAATATACACCGAAGAAGTACTGATCTGAACACACCGAACAGCGAAGGGCTGACACCCCTGGACATCGCCA
 TCATGACCAACAACGTGCCATTGCGAGGATTCTTCTCGGACAGGAGCCAGAGAAAGTCCGCACCTTTGT
 CAGCCTGGAGAGCCGAGCAATGCATCTCAACACTTAGTTTCAGGAGGCCAGGACAGGGTGAAGTGAAGTGT
 TCTGCACAGGTGGAGAATGAAGGCTTACCCTGGACAACACAGAGAAAGAGAAGCAGCTGAAGGCCTGGG
 AGTGGAGGTACCGGCTCTACCGGCGCATGAAAAGTGGCTTCGAACATGCCCGAGCCCGAGAGGTGCCAGC
 CAATGCCTGTCTCATGGTAAGCAGCAGCAGTCCCTAACGGTCAGCTTTCAGAGCCCTCAGTGTCAAC
 GCAGCCGTAGTGACCAGGTACAAAGTGGAAATGGAGCATGTCTAAAGACTTTTCCCGTTGGCTGGGGAGA
 TCATCATGGATAACCTGCAGACCTGAGGTGTACAATCACAGGACTCACACGGGCCAACAGTATTTTGT
 TCAAGTCTCAGCTTACAACATGAAAGGATGGGGACCAGCTCAGACCACAACGCCAGTGTGTGCCTCCCC
 TCCAAGTGGAAAGACTATGACGACAGAGAGCCAGACACAAGGGACAGAGTGAAGTCTGGAGAGCCTAC
 TGCAGCAAGTCCGAGCCCTTATCAGCATTACAGCTGCCGGGAAAGCTCAAAAGTCAAAACACAGCCG
 CAAGCAGTCGGTGTCCAGGAGCCTGAAGCACCTATTTCAATTCCTCAAACAAGTTCGTGAAGACCTTGAAA
 CGAGGACTTTACATAGCCACTATATTTTATTATAAAGACAATATGTTAGTCACCAATGAAGACCAATAC
 CAATTGTTGAAATAGATGACTCTCACACAGTTCTATTACACAAGACTTTCTGTGGTTCATGAAGCTGTC
 TTGTATGTGGAAAGACATCAGGTGGCTGAGGCAAGCGTGCCCATATCCATGTCTCGTCCACTGTGCTG
 CAAACTCGGCAAAAGATGCTTGTGCCACAGCTCAGCTACAGAATTTACTTGAACACACAACCTGGGAA
 GACTTTACTATGAGCCCATTAAGATCGCCATGGCAACATTCTCATAGTTACCATCAGAGAAGTGGAGAT
 GCTTTATTCCTTTTTTAATGGCAAATGGATGCAAATCTCAAAAGTCAAAAGCCAGAGGAAGTCTCTGTCA
 ACACCCGAAGAGCCAACAGCCTTAGATATTTACTAATAACCATCCAGGATATTCTGTCTACCACAAGA
 GGAGCCATCAGCGGCTCTCACCTGGACTGTATCTAGGTTACCTAAAGCTGTGTAGCTCTGTGGATCAGAT
 CAAAGTGTCTGTAACCCAAAAGTACCCAACTTCTCTGCCACGTGAAGATCCGTGAAAACCAACATT
 TCCAAAGAGGAGTGGGAGTGGATCCAAAAGCTTCTGGCTCTGAGTCTATGGAAAGTGTGGATCATAATG
 CTGACTGCCCCATGCAATTGTTCTTCTACGAGCTCCAGATGGCAGTGGCGGCTCTCCTGAAGCAGATCAA
 TATACCTCGACACCAGGCAAGGAACTCCGCCTCTACACACAGGAGGTGTTGGAAATGGTCACAATGTG
 TCCTTTCTTCTTGTCTCCCTGCCTCAGACGAGTCTGTACAGCCCCAGGACAGAATAATCCTTACACCC
 CGCACTCAGGGTTTCTAACCTCCCTCTCAGATGTTGAACTCGGTATAGTAGCTTGTTTACC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG221219 representing NM_001080933
Red=Cloning site Green=Tags(s)

MARIGRRFACFAQRLSYRRKQSQCDLLNESTGHLPATCSSAASKSLSWNYCSKMTQQMQNLHL S QSKKHS
 APSSPNAAKRLYRNLSEKLKGSHSFDEAYFRTRDRLSLRKTSVNFQGNAMFEAVEQQDLDAVQLLLY
 QYTPPEELDLNTPNSEGLTPLDIAIMTNNVPIARILLRTGARESPHFVLSLESRAMHLNLTLVQEAQDRVSEL
 SAQVENEGFTLDNTEKEKQLKAWEWRYRLYRRMKTGFHARAPEVPANAACLMVSSSTSLTVSFQEP LSVN
 AAVVTRYKVEWSMSKDF SPLAGEIIMDNLQTLRCTITGLTTGQQYFVQVSAYNMKGWGAQTTPVCASP
 SNWKDYDDREPRHKQSQSEVLESLLQQVRLALHQHYSCRESSKLQTTGRKQSVSRSLKHLFHSSNKFKVTKL
 RGLYIATIFYYKDNMLVTNEDQIPIVEIDDSHTSSITQDFLWFMKLSMWEDIRWLRQSPVISMSSSTVL
 QTRQKMLAATAQLQNLGTHNLGRLYYEPIKDRHGNLIVTIREVEMLYSFFNGKWMQISKLQSQRSLS
 TPEPTALDILLITIQDILSYHKRSHQRLSPGLYLGYLKLCSSVDQIKVLVTQKLPNILCHVKIRENHNI
 SKEEWIWKLSGSESMESVDHNADCPMQLFFYELQMAVAALLKQINIPRHQARNFRLYTQEVLEIGHNV
 SFLLLLPASDDVCTAPGQNNPYTPHSGFLNPLQMFELGIVACFT

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001080933

ORF Size: 2235 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.

RefSeq: [NM_001080933.1](#), [NP_001074402.1](#)

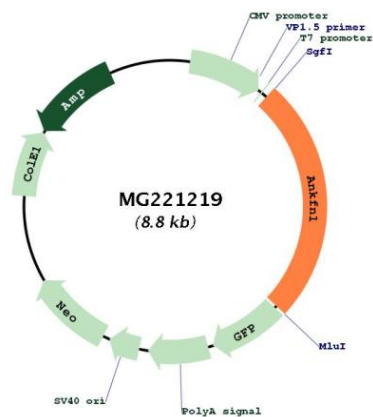
RefSeq Size: 2238 bp

RefSeq ORF: 2238 bp

Locus ID: 382543

Cytogenetics: 11 C

Product images:



Circular map for MG221219