

Product datasheet for **MR221219**

Ankfn1 (NM_001080933) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ankfn1 (NM_001080933) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ankfn1
Synonyms:	Gm1175
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR221219 representing NM_001080933
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCACGAATAGGAAGGAGTTTCGCTTTCGCGCAGAGGCTGAGCTACAGGAGAAAGCAGAGCCAAT
 GTGATTTATTGAATGAAAGCACTGGACACTTACCAGCAACTTGTTCCTCTGCTGCCTCGAAGAGCTTAAG
 CTGGAAGTACTGCTCGAAAATGACCCAGCAAAATGCAGAACTTACATCTTCCAGTCAAAAAACACAGT
 GCTCCATCGTCTCCCAATGCTGCCAAGCGACTGTACAGGAACCTCTCGGAGAAGCTGAAGGGCAGTCACT
 CGTCTTTGATGAGGCCTATTTAGAACAAGAACGGATCGGCTGAGTCTCAGAAAGACTTCTGTGAACCT
 CCAGGGCAACGAAGCCATGTTTGAGGCAGTTGAGCAACAGGACCTAGATGCTGTGCAACTCTCTCTAC
 CAATATACACCGGAAGAACTAGATCTGAACACACCGAACAGCGAAGGGCTGACACCCCTGGACATCGCCA
 TCATGACCAACAACGTGCCATTGCGAGGATTCTTCTCGGACAGGAGCCAGAGAAAGTCCGCACCTTTGT
 CAGCCTGGAGAGCCGAGCAATGCATCTCAACACTTAGTTTCAGGAGGCCAGGACAGGGTGAGTGAGCTG
 TCTGCACAGGTGGAGAATGAAGGCTTACCCTGGACAACACAGAGAAAGAGAAGCAGCTGAAGGCCCTGGG
 AGTGGAGTACCGGCTCTACCGGCGCATGAAAAGTGGCTTCGAACATGCCCGAGGCCAGAGGTGCCAGC
 CAATGCCTGTCTCATGGTAAGCAGCAGCAGTCCCTAACGGTCAGCTTTCAGAGCCCTCAGTGTCAAC
 GCAGCCGTAGTGACCAGGTACAAAGTGGATGGAGCATGTCTAAAGACTTTTCCCGTTGGCTGGGGAGA
 TCATCATGGATAACCTGCAGACCTGAGGTGTACAATCACAGGACTCACACGGGCCAACAGTATTTTGT
 TCAAGTCTCAGTTACAACATGAAAGGATGGGGACCAGCTCAGACCACAACGCCAGTGTGTGCCTCCCC
 TCCAACGGAAAGACTATGACGACAGAGAGCCAGACACAAGGGCAGAGTGAGGTTCTGGAGAGCCTAC
 TGCAGCAAGTCCGAGCCCTTATCAGCATTACAGCTGCCGGGAAAGCTCAAAACTGCAAAACCACAGGCCG
 CAAGCAGTCGGTGTCCAGGAGCCTGAAGCACCTATTTCAATTCCTCAAACAAGTTCGTGAAGACCTTGAAA
 CGAGGACTTTACATAGCCACTATATTTTATTATAAAGACAATATGTTAGTCACCAATGAAGACCAATAC
 CAATTGTTGAAATAGATGACTCTCACACCAGTTCTATTACACAAGACTTTCTGTGGTTTATGAAGCTGTC
 TTGTATGTGGAAAGACATCAGGTGGCTGAGGCAAAGCGTGCCCATATCCATGTCTCGTCCACTGTGCTG
 CAAACTCGGCAAAAGATGCTTGTGCCACAGCTCAGCTACAGAATTTACTTGAACACACAACCTGGGAA
 GACTTTACTATGAGCCCATTAAGATCGCCATGGCAACATTCTCATAGTTACCATCAGAGAAGTGGAGAT
 GCTTTATTCCTTTTTTAATGGCAAATGGATGCAAATCTCAAAACTGCAAAGCCAGAGGAAGTCTCTGTCA
 ACACCCGAAGAGCCAACAGCCTTAGATATTTACTAATAACCATCCAGGATATTCTGTCTACCACAAGA
 GGAGCCATCAGCGGCTCTCACCTGGACTGTATCTAGGTTACCTAAAGCTGTGTAGCTCTGTGGATCAGAT
 CAAAGTGCTCGTAACCCAAAAGCTACCCAACTTCTCTGCCACGTGAAGATCCGTGAAAACCACAACATT
 TCCAAAGAGGAGTGGGAGTGGATCCAAAAGCTTCTGGCTCTGAGTCTATGGAAAGTGTGGATCATAATG
 CTGACTGCCCCATGCAATTGTTCTTCTACGAGCTCCAGATGGCAGTGGCGGCTCTCCTGAAGCAGATCAA
 TATACCTCGACACCAGGCAAGGAACTCCGCCTTACACACAGGAGGTGTTGGAATTTGGTCACAATGTG
 TCCTTTCTTCTTGTCCCTGCCTCAGACGAGTCTGTACAGCCCAGGACAGAATAATCCTTACACCC
 CGCACTCAGGGTTTCTAACCTCCCTCTCAGATGTTTGAAGTTCGGTATAGTAGCTTGTTCACC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR221219 representing NM_001080933
Red=Cloning site Green=Tags(s)

MARIGRRFACFAQRLSYRRKQSQCDLLNESTGHLPATCSSAASKSLSWNYCSKMTQQMQNLHLSQSKKHS
 APSSPNAAKRLYRNLSECLKGSHSSFDEAYFRTRDRLSLRKTSVNFQGNEMFEAVEQQDLDAVQLLLY
 QYTPEELDLNTPNSEGLTPLDIAIMTNNVPIARILLRTGARESPHFVLSERAMHLNLTVEAQDRVSEL
 SAQVENEGFTLDNTEKEKQLKAWEWRYRLYRRMKTGFHARAPEVPANAACLMVSSSTSLTVSFQEPLSVN
 AAVVTRYKVEWSMKDF SPLAGEIIMDNLQTLRCTITGLTTGQQYFVQVSAYNMKGWGAQTTPVCASP
 SNWKDYDDREPRHKQSQEVLESLLQQVRLHQHYSCRESSKLQTTGRKQSVSRSLKHLFHSSNKFVKTLK
 RGLYIATIFYYKDNMLVTNEDQIPIVEIDDSHTSSITQDFLWFMKLSMWEDIRWLRQSVPISSSSSTVL
 QTRQKMLAATAQLQNLGTHNLGRLYYEPIKDRHGNLIVTIREVEMLYSFFNGKWMQISKLQSQRSLS
 TPEEPTALDILLITIQDILSYHKRSHQRLSPGLYLYGLKLCSSVDQIKVLVTQKLPNILCHVKIRENHNI
 SKEEWIWKLSGSESMESVDHNADCPMLFFYELQMAVAALLKQINIPRHQARNFRLYTQEVLEIGHNV
 SFLLLLPASDDVCTAPGQNNPYTPHSGFLNPLQMFELGIVACFT

TRTRPLEQKLISEEDLANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9048_e06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

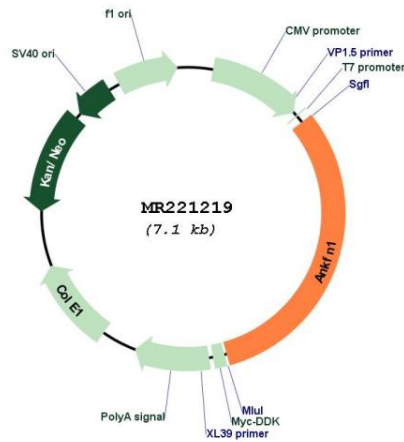
ACCN: NM_001080933

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:	<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:	<u>NM_001080933.1, NP_001074402.1</u>
RefSeq Size:	2238 bp
RefSeq ORF:	2238 bp
Locus ID:	382543
Cytogenetics:	11 C
MW:	85.7 kDa

Product images:


Circular map for MR221219