

## Product datasheet for **MR219992**

### Ankef1 (NM\_175667) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ankef1 (NM_175667) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ankef1
Synonyms:	Ankrd5; AV276460
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR219992 representing NM\_175667  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCTTTGGCAGACAAGAGACTTGAGAACTTACAGATCTACAGAGTTTTCAGTGTGTTGCAACAAG  
 ACAAGAAGCAGATAGAAAAGCTGACCAGGCTTGGGTACCCTGAGCTAATCAACTTCACCGAACCCATAGA  
 TGGGCTGAGTGCTCTCCACTTAGCTCCATTTCCAACGACACTGACATGGTCAGCTTCTCTCAA  
 GGTGCGCATCCTGATGTGCAAGACCACATGGGCTGTACCCCGACCATGAGAGCTGCCGAGCTGGGCCATG  
 AGTTGTCAATGGAATTTAGCCAAGGCCAAAGCTGATATGACAATAGTTGATAATGAAGGAAAAGGTGT  
 TCTGTTTTACTGCATCCTGCCACTAAGCGGCACTATCGATGCTCACTGATTGCCTTGGAGCATGGTGCA  
 GATGTCAACAATACACCTATGAAGGGAAGCCAGTGTTCCTCAGAGCTTGCAGGGAAGCAGATGATGGA  
 AGGATATGTCCCTGACATTTTGGAGAAAGGAGCCAATCCTAATGCTATCAACACATCCACAGGACGCAC  
 GGCTTTGATGGAATCGTCAAGAGAAGGGGTGCTGGAATAGTTCTGTGGCATAATTGAAAGAGGAGGTGAA  
 GTGAACGCATATGACAATGATAGACACCAGCTGCTCATTTTGTGCCAAAGGAGGCTTTTTTATGATTC  
 TGAAGCTCCTCTTGCCTACAATGGAGACATGGGGTAAATTGGAATGGATGGGAACACACCACTTCACTT  
 TGCTGCCATGGGGGTTTTGCAGATTGCTGTAATATATAGCTCAGCGAGGATGTGACCTGAAATGGAAA  
 AATTTGGAACATAAAACACCCCGAGTTGTGGCGAAAGACGGAGGCTTTAAAGCTGCTAGCAAGGAAATAC  
 GTGCGAGCAGAGCGGACTGCCGCTAAACTCGCTAAGACAGGAGCAAAAAATCCTAACCCCTCTCTGGGCCCT  
 CAGGCTGCATGACTGGTCCATAGAGCAGAGACTTCCCTTCGGAACGCCTTAAAGTTCGTGGACAGGGGC  
 GATGGCGTAGTCAGCAAAGATGACTTCGTGGTGGCCCTGGAGGAGGCAAGAGTATGCCACCTCAGAGC  
 AGTTGCTTCCGTTGCTCAAATGCAGAAAAAGTTCGAGGAGCGGGGTCAACATTAATGAGTTCTTTAA  
 GGAACCAAATATTTAAGCAAGTCGTACGTATTGGGATCTTTCGGGCCTAAGAAAAAGAAAAGGGGTTG  
 GGCAAAAAGCAGGAAAGGCAAGTTTGTTCCTCTCCCATCTGCACCATCCCGGAGAACGCCTTCC  
 CGCGGGCGCCAGATGGGGCCCGCCCTACTACATGATTGAGACCTACCAGAATGTCTCCGACAGCCACAG  
 GTTCAACCGGGACCACCCGCCGAGCACCAATCCAGGATGATTCGAGTGGTACATCGATGATCCGAGT  
 AGGGTCTTCGCAATATTAGTTTTATCACCAGCAGGAGATCTGGCCTCTCTGAAAAAGGCCATCGAAA  
 CAGGAATACCCGTGGATATGAAGGACAATACTTACAAGACTCCTCTCATGATAGCGTGTGCCAGTGGCAA  
 CATTGATGTGGTCAAGTTTCTTATCGAAAAGGGGCAAAATGTTAATGCAACAGATAATTTTCTATGGACT  
 CCACTTCATTTTGCATGCCATGCTGGCCAGCAAGACATTGTTGAGCTTCTTGTAAAGCTGGAGCTTCAA  
 TAGATGCAACATCAATCAACAATCCACTCCGTTAAGCAGAGCCATTGAAAGCTGTAGGCTGGACTGT  
 AAAATACCTACTTGATATGGGTGCCAAATTCAGATTGAAAACAGAAAAGGACATGCTGCCATGGATATT  
 GCAAAGGCATATGCTGATTATAGAATAATTGATATGATAAAAGAAAAGCTAGATAACCTGCCTAAACAAG  
 CAGATAATCAGAAAATGAAAGGCAAGCTTCTAAACTGAAGACAGAAAGGCACGGATGTTAAGAAAGAAGA  
 GGAAACTGTGATCCATTTACTGTGCCAGCAATAACAGAGGAGAAGAAAAGTCCACAGGGATAGTGTG  
 GTTTACCTCAATCCCTGATTACCAGTGGCTTACCAAGAAAGTTGATATCACATTTATCCCCAAAAGGA  
 TTTGGAGTCTGAAGCCACAACAGCAGAGCTGATCAGGAAGAGGGAGCTCCGGAGGGAGAGGTTACATA  
 CGAGGTGGACTTTGAAGACTTCATGATGCCTTTCCAAAAGAACATCACGGAGAAAGCTCAGGCACTGGAG  
 GCAACACTCAAGAAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR219992 representing NM\_175667  
Red=Cloning site Green=Tags(s)

MALADKRLLENLQIYRVLQCVRNKDKKQIEKLTRLGYPELINFTEPIDGLSALHLASISNDTDMVSFLLKL  
GAHPDVQDHMGCTPTMRAAELGHELSMEILAKAKADMTIVDNEGKGVLFYCILPTKRHYRCSLIALEHGA  
DVNNITYEGKPVFLRACEEAHDVKDMCLTFLEKGANPNAINTSTGRTALMESSREGVLEIVRGILERGGE  
VNAYDNRHHAHF AAKGGFFDILKLLFAYNGDMGLIGMDGNTPLHFAAMGGFADCKYIAQRGCDLKWK  
NLEHKTPRVVAKDGGFKAASKEIRRAERTA AKLAKTGAKNPPLWALRLHDWSIEHETSLRNAFKFVDRG  
DGVYSKDDFVVALEERQEYATSEQLLSVAQMHEKSRGGGVNINEFFKGTKYLSKSYVLGSFGPKKKRGL  
GKKPRKGFVLPPICTIPENAFRRPDGGPPYMIETYQNVSDSHRFNRDHPPEHPIQDDSEWYIDDP  
RVFANISFITKAGDLASLKKAIETGIPVMDKNTYKTPLMIACASGNIDVVKFLIEKGANVNATDNFLWT  
PLHFACHAGQQDIVELLVKAGASIDATSINNSTPLSRAIESCRDVTKYLLDMGAKFQIENRKGHAAMDI  
AKAYADYRIIDMIKEKLDNLPKQADNQMKGKLPKLTGTEGTDVKKEETLSSIYTVPAITEEKKVHRDSV  
VYLNLSITSGFTKKVDITFIPKRIWSPEATTAELIRKRELRERF TYEVD FEFMMPFQKNITEKAQALE  
ATLKN

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9093\\_a06.zip](https://cdn.origene.com/chromatograms/mm9093_a06.zip)

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:**

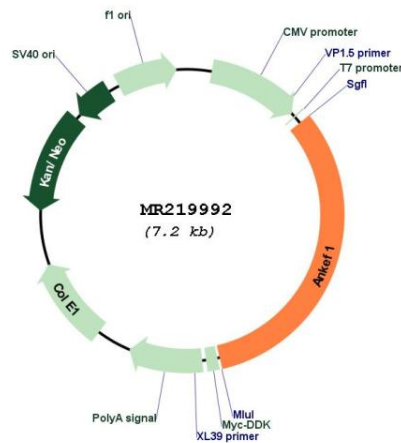

**ACCN:** NM\_175667

**ORF Size:** 2325 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

<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>	<u><a href="#">NM_175667.4</a></u> , <u><a href="#">NP_783598.1</a></u>
<b>RefSeq Size:</b>	2723 bp
<b>RefSeq ORF:</b>	2328 bp
<b>Locus ID:</b>	319196
<b>UniProt ID:</b>	<u><a href="#">Q9D2J7</a></u>
<b>Cytogenetics:</b>	2 F3
<b>MW:</b>	86.9 kDa

**Product images:**


Circular map for MR219992