

Product datasheet for **MR222918**

Ankk1 (NM_172922) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ankk1 (NM_172922) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ankk1
Synonyms:	9930020N01Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>MR222918 representing NM_172922
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGTGCCACACAGAGCCAGGAGGCTTCTGAACCCCATGGCAGTCGGTCCCTTGCGCAGCAGCTGGCA
GCCTCACCGTCTTCACGAGGGATGATTTTGAGGAAGAATGGCACCTAGTAGCCAGTGGTGGCTTCAGCAA
GGTGTTCAGGCGAGGCACAAGCGCTGGAGGACCCAGTACGCCATCAAGTCTCCCGTGCCTCCAGAAG
GAAACCACCAGCTCTGAGGTGACCTGCCTCTTTGAAGAAGCAGTCAAAATGGAGAAGATTAAGTTTCAAC
ACATCGTGTCCATCTATGGGGTCTGTAAGCAGCCCTGGGCATTGTGATGGAGTTCATGGCCAGTGGTTC
CCTGGAGAAGACACTACCTACCCACAGCCTCTGCTGGCCACTCAAGCTCCGCATCATCCATGAGACCAGC
TTGGCCATGAACCTCCTCCACAGCATTAAAGCCACCCTGCTCCACCTGGACCTTAAGCCAGGCAACATCC
TGCTGGACAACAACATGCATGTCAAGATTTCCGATTTTGGCCTGTCCAAGTGGATGGAGCAGTCAACTCA
GAAGCAGTACATTGAGAGATCAGCTCTGAGGGGACACTCAGCTACATCCCTCCTGAAATGTTCTGGAG
AATAACAAGGCTCCGGGGCTGAATATGATGTGTACAGCTTTGCAATTGCATCTGGGAGATTCTACTC
AGAAGAAACCCTATGCAGGGCTCAATATGATGACTATTATCATCCGGGTAGCTGCAGGCATGAGGCCCTC
CTTGACAGGATGTCTGTGAGTGGCCAGAGGAGTACATCAAATGGTGAACCTGATGAAGCGCTGTTGG
GACCAAGACCCCAAGAAGAGGCCATGTTTCTAAATGTGGCCGTCGAGACAGACATGCTACTGTCCTGT
TCCAGAGCCCATGACAGACCCTGGGTGTGAAGCCCTGACCCAGAAGGTGTCTTGCAAGCCATCGCTGAG
CCAACCCACAAGGTGAGCAAGGAGTCAACCAGGAGATTGCAGACAGTGTCTCAAGTACTCCTTGAAG
TGGATCTACAGCTCTCTGACAGCAAGAGCTTGGTCGCAAGTGTCTACGAGAATAGGGTGACTCCCC
TACACTTTCTAGTGGCCGAGGACAGCTTGAACAGGTGAGGCTGCTGCTGCCACGACGTTGATGTAGA
TTGCCAGACAGCCTCTGGCTATACGCCACTCCTCATTGCCACCCAGGACCAGCAGCCTGACCTCTGTGCC
CTGCTCCTGGCACATGGTGTGATACCAACCTGGCAGACGAAGATGGCTGGGCCCCACTGCATTTTGCAG
CCCAGAATGGGGATGACCACACTGCCCGTCTGCTCCTGGACCACGGGGCCCTGGTGAATGCACGGGAGCA
CGAGGGCTGGACCCCACTCCACCTGGCTGCACAGAACAACCTTTGAGAATGTGGCACGGCTTCTGGTCTCC
CGTCAGGCTGACCTCAGCCACACGAGGCTGAAGGCAAGACTCCCTTTCATGTTGCAGCCTACTTTGGTC
ACATTGGCTTGGTCAAGCTTCTGTCAGGACAGGGAGCAGAGCTGGATGCTCAGCAGAGAAACCTGAGGAC
ACCCCTGCACCTAGCAGTGGAGAGGGGAAAGTGAAGCCATTCAGCACCTGCTAAAATGTGGGGCACTC
CCTGATGCCCTTGACCACAGCGGCTACAGCCCTTGCACATTGCTGCAGCCAGGGCAAGGACCTTATCT
TTAAGATGCTTCTCAGATATGGAGCCAGCCTTGAGCTACGCACACAACAGGGATGGACACCCTGCACCT
AGCCACTTACAAGGGTCACTGGAGATCATCCATCAGTTGGCCAAGAGCCATGTAGACCTAGATGCTCTT
GGAAGTATGCAATGGACTCCCCTGCACCTGGCTGCCTTCCAAGGGGAGGAGGGGGTATGCTGGCACTGC
TACAGTGTGGGGCAACCCCAATGCTGCTGAGCAGTCAAGGCTGGACTCCTCTCCATCTGGCAGTGCATAA
AGGAACCTTCTGGGCATACCCACCTTCTGGAGTATGGTGTGACATCCATGCTTGCAACAAGGTGGGC
TGGACACCTGCCACCTGGCTGCTCAAGGGCAACACAGCCATCCTCAAAGTTCTAGTTAAAGCTGCTG
CACAGTGGATGTCAAGGGTGGAGTTAGCTGCACACCCCTGCAGCTGGCCATCCACAGCCCAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR222918 representing NM_172922
 Red=Cloning site Green=Tags(s)

MVPHRRRLLNPMVAVGLAQQLGSLTVFTRDDFEEEWHLVASGGFSKVFQARHKRWRTOYAIAKCSPLQK
 ETTSSSEVTCLFEEAVKMEKIKFQHIIVSIYGVCKQPLGIVMEFMASGSLEKTLPTHSLCWPLKLRRIHETS
 LAMNFLHSIKPPLLHLDLKPGNILLDNNMHVKISDFGLSKWMEQSTQKQYIERSALRGTLSYIPPEMFLE
 NNAKAPGEYDVYSFAIVIWEILTQKKPYAGLNMMTIIIRVAAGMRPSLQDVSDWEVPEVHQMVNLMKRCW
 DQDPKKRPFCLNVAVETDMLLSLFQSPMDPGCEALTQKVSCPKSLSQPHKVSKEVNQEIADSVSSDSLK
 WILQLSDSKSLVASDVYENRVTPHFLVAGGSLEQVRLLLSHDQVDCQTASGYTPLLIATQDQDPDLCA
 LLLAHGADTNLADEDEGWAPLHFAAQNGDDHTARLLLDHGALVNAREHEGWTPHLAAQNNFENVARLLVS
 RQADLSPHEAEGKTPLHVAAYFGHIGLVKLLSGQGAELDAQQRNLRTPHLAVERGKVRATQHLLKCGAL
 PDALDHSYGYSPLHIAAARGKDLIFKMLLRYGASLELRTQQGWTPHLATYKGHLEIIHQAKSHVDLDA
 GSMQWTPHLAAAFQGEVMLALLQCGANPAAEQSGWTPHLAVHKGTFLGITHLLEYGADIHACNKVG
 WTPAHLAALKGNTAILKVLVAAAQVDVKGGSCTPLQLAIHSPK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9009_g01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

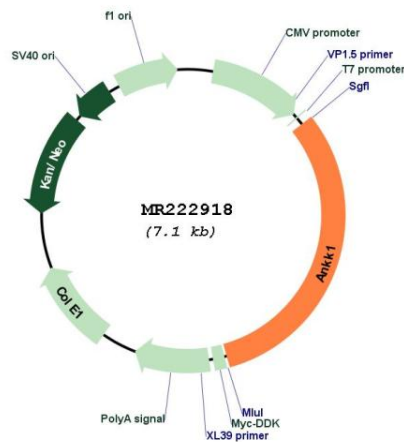
ACCN: NM_172922

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_172922.4</u>
RefSeq Size:	2686 bp
RefSeq ORF:	2238 bp
Locus ID:	244859
UniProt ID:	<u>Q8BZ25</u>
Cytogenetics:	9 A5.3
MW:	82.9 kDa

Product images:


Circular map for MR222918