

Product datasheet for **MG222918**

Ankk1 (NM_172922) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ankk1 (NM_172922) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ankk1
Synonyms:	9930020N01Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>MG222918 representing NM_172922
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGTGCCACACAGAGCCAGGAGGCTTCTGAACCCCATGGCAGTCGGTCCCTTGGCGCAGCAGCTGGGCA
 GCCTCACCGTCTTACGAGGGATGATTTTGAGGAAGAATGGCACCTAGTAGCCAGTGGTGGCTTCAGCAA
 GGTGTTCCAGGCGAGGCACAAGCGCTGGAGGACCCAGTACGCCATCAAGTGCTCCCCGTGCCTCCAGAAG
 GAAACCACCAGCTCTGAGGTGACCTGCCTCTTTGAAGAAGCAGTCAAAATGGAAGATTAAGTTTCAAC
 ACATCGTGTCCATCTATGGGGTCTGTAAGCAGCCCTGGGCATTGTGATGGAGTTCATGGCCAGTGGTTC
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 TGCTGGACAACAACATGCATGTCAAGATTTCCGATTTTGGCCTGTCCAAGTGGATGGAGCAGTCAACTCA
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 GACCAAGACCCCAAGAAGAGGCCATGTTTCCTAAATGTGGCCGTCGAGACAGACATGCTACTGTCCTGT
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 TGCTACAGTGTGGGGCAACCCCAATGTGCTGAGCAGTCAGGCTGGACTCCTCTCCATCTGGCAGTGCA
 TAAAGGAACCTTCTGGGCATCACCCACCTTCTGGAGTATGGTGTGACATCCATGCTTGCAACAAGGTG
 GGCTGGACACCTGCCACCTGGCTGCTCTCAAGGGCAACACAGCCATCCTCAAAGTTCTAGTTAAAGCTG
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ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

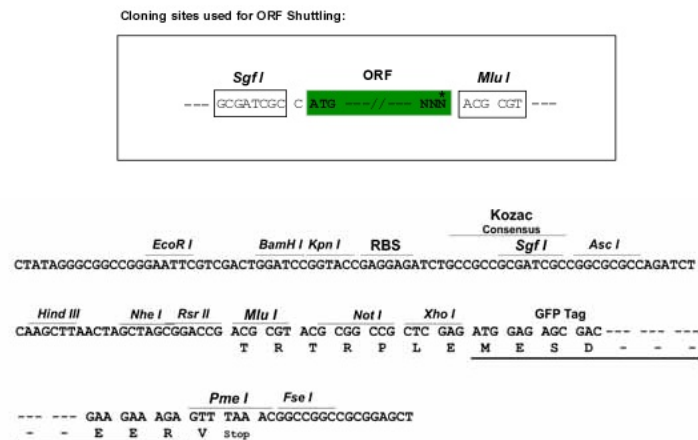
Protein Sequence: >MG222918 representing NM_172922
 Red=Cloning site Green=Tags(s)

MVPHRRRLNPMVGLAQQGLSLTVFTRDDFEEEWHLVASGGFSKVFQARHKRWRQYAIKCSPCLQK
 ETTSSSEVTCLFEEAVKMEIKFQHIIVSIYGVCKQPLGIVMEFMASGSLEKTLPTHSLCWPLKLRIIHETS
 LAMNFLHSIKPPLLHDLKPGNILLNNMHVKISDFGLSKWMEQSTQKQYIERSALRGTLSYIPPEMFLE
 NNKAPGPEYDVYSFAIVIWEILTQKKPYAGLNMMTIIIRVAAGMRPSLQDVSEWPEEVHQMVNLMKRCW
 DQDPKKRPCFLNVAVETDMLLSLFQSPMTDPGCEALTQKVSCPKSLSQPHKVSKEVNQEIASAVSSDSL
 KWILQLSDSKSLVASDVYENRVTPHFLVAGGSLEQVRLLLSHDQVDCQTASGYTPLLIATQDQQPDLC
 ALLLAHGADTNLADEGWAPLHFAAQNGDDHTARLLLDHGALVNAREHEGWTPHLAAQNNFENVARLLV
 SRQADLSPHEAEGKTPLHVAAYFGHIGLVKLLSGQGAELDAQQRNLRTPHLAVERGKVRAIQHLLKCGA
 LPDALDHSGYSPLHIAAARGKDLIFKMLLRYGASLELRTQQGWTPHLATYKGHLEIIHQIAKSHVDLDA
 LGSMQWTPHLAAAFQGEEGVMLALLQCGANPNAAEQSGWTPHLAVHKGTFGLGITHLLEYGADIHACNKV
 GWTPAHLAALKGNTAILKVLVAAAQVDVKGGSCTPLQLAIHSPK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_172922

ORF Size: 2238 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_172922.3](#), [NP_766510.1](#)

RefSeq Size: 2686 bp

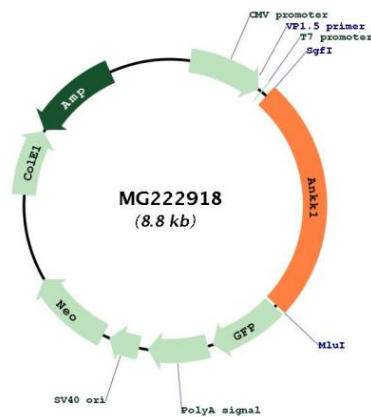
RefSeq ORF: 2238 bp

Locus ID: 244859

UniProt ID: [Q8BZ25](#)

Cytogenetics: 9 A5.3

Product images:



Circular map for MG222918