

## Product datasheet for **MR220188**

### **Kank3 (NM\_030697) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Kank3 (NM_030697) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Kank3
Synonyms:	0610013D04Rik; Ankrd47; D17Ertd288e; NG28
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide  
Sequence:**

>MR220188 representing NM\_030697  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCCAAGTTTGTCTGAATCAGAACCTTCTGACCTGGGCGGCCCTCCCTGTACCCAGGCCCACTG  
 GAAGTGCCCGCAGCCCTAGCTCTCCCTATTCTGTGGAGACGCCCTATGGCTTCCACTTGGACCTGGACTT  
 CCTCAAATACGTGGAGGAAATCGAGCGTGGCCCTGCCTCTCGCCGAACTCCAGGACCTCCTCATGCACGC  
 CGCCCGCGCGCTCTCGAACGGGCTCGCGGGAGCGGGAGCCAGGAGCTTGGACTTCCAGCGAATCCC  
 TGGCCAGTGACGACGGCGGAGCCTCGGGTGCCTCTCTCTGGTGCCTCCCGGGGCTCTCGCTACCTCC  
 GCTGTCGCCACGCTCCTGTGCGCAATCCGCGCTTGTAGCACACGCTCTTGGAGACCAGCCGACGACTG  
 GAGCAGGCGCAGGCTCGGGAGCGCGCTCAGCCCGCCCGCGCAGTACACGCGAGTCCGCGGGTCCG  
 GCCGTAGCAGCCCGCCCTAACCCGCCCTTGCCTCCCGGGCCCTGCCAGCTGCAGCTAGTGAGGGA  
 GCAGATGGCCGCGCGCTGCGGGCCTGCGTGAGCTCGAGGACCAGGCGCGCTCTGCCGAGCTGCAG  
 GAGCAGGTGCGCGCTGCGTGCCGAGAAGGCGCGCTACTGGCCGGGCGCTGCAGCCAGAACAAGAAG  
 TAGAGATCGAGGCGGCCAGACAAGCTCGCCAGCTTCGGCGCCTCACCGAGCGTCTGGCCACCTCGGA  
 TCGTGGAGTGCCTCCAGGGTACCCCGGGCAGAGGATCCCGACGGGTTGGCTGCCAGGCGCAGCGAA  
 GGAGCGCTGCAGGTGCTCGACCCGGGTCTAGGACACCCGATGGGGAACCCCGGACTCGGGAGACGGGCA  
 CCGAAGTCGTGCCTGAGACCCGAGAGGTGGATGCCAGGCGAGTCCCGAGACAGGGGAGGCTGGAGTGA  
 GGTGGTCCCTGAGACCGTTGAGTGGACACGTGGGTGACTGAGGAGCTCCTAGGGTTGCCTGAGGCTGCA  
 GAGCGTGAGCTGGAGCTGCTCCGACCAGCTTGGAGCATCAGCGAGGGGTGAGCGAACTTTGCGGGGCC  
 GATTGAGGGAGTTGGAGGAGGCCACGAGGCGCAGTGACCAGGCTCAGTCTCGCGAGCTTGTGCCCA  
 GACTACATTGGGTTGCACTGAGAAAACACACAGACAGAGCTGCCAGTGGAGAACCAGCCAGACCCACG  
 GCTGGAGACGAGATGGCCCTGTTGGCATCCTCAAATCCATCATGAAGAAGAAAGATGGTATTCCAGGTG  
 CACAATCCAGTACAGGACCCAAGAGTCTGCAGTTCGTTGGGGTCTCAACGGAGAGTATGAGAGTTCCTC  
 CAGTGAGGATGGCAACAGCGATGATGAAGATGGTGTGCTGAACACCCAGGAGTAGCTCTTCTGGATCA  
 GATGATAGCAGTGGGGATCTGACGCTGGAACCCCTGGCCCCACAATGACAAAGATGCTGGGGACTGCG  
 AGCTTGAGACACATCCAGAGCTGACGGCAGGGAGAGAAGGGAGGTGTAAGTGAACCCCGTTTGGAGGA  
 GGCTTGCATTGCTCTGAATCAGCAGCTGAACCGGCCACGTGGAGTACCAGCAGAGATGGCAATGCAGCA  
 CGCCTTGTGGCCAGGAATGGTTTCGAGTGTCCAGCCAAAACGCTCTCAGGCAGAGTCTGTGGCTGGGG  
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 AAACACAGCTCTGCATTACAGCGTGTCTCATGGGAATCTCGCCATTTCCAGCCTGCTACTGGATACAGGG  
 GTCTGTGATGTGAATCACCAGAATAGAGCTGGCTACTCTGCCCTCATGTTGGCTGCACTCACTTCTGTAG  
 GACAAGAGGAGGAAGACATGGCTGTGGCCAGAGACTTTTCAGTATGGGTGATGTCAATGCCAAGGCTAG  
 CCAGACTGGACAGACAGCCCTCATGCTGGCCATCAGCCATGGCCACCAGGACATGGTAGCTGCCTTGCTA  
 GAATGCGGGGCTGATGTCAATGTACAGGATGCTGATGGGGCCACAGCACTGATGTGTGCCAGCGAGTATG  
 GACGCTTGATACAGTTCAATTGTTGTTGGCCAGCCAGGTTGTGACCTAACCATCTTAGACAATGAGGG  
 CACAAGTCCCCTGGCCATTGCACTGGAGGCTGAACAGGATGAGGTGGCTGCACTGCTCCATGCCACCTG  
 ACATCAAACCACCAGGACAGTCTCCACAGGGTCTCCCACTGCAAAGGAATGCAATGACAAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR220188 representing NM\_030697  
Red=Cloning site Green=Tags(s)

MAKFVLNQNLPDLGGPPLYPGPTGSARSPSSPYSVETPYGFHLDLDFLKYVEEIERGPASRRTPGPPHAR  
RPRASRTGLAGARSPGAWTSSESLASDDGGASGALSPGAFPGLSLPLSPRSLSRNPRVEHTLLET SRRL  
EQAQARERALS PARAVTRSPRGSRSSPAPNPALASPGPAQLQLVREQMAAALRRLRELEDQARALPELQ  
EQVRALRAEKARLLAGRVQPEQEVEIEARPDKLAQLRRLTERLATSDRGVRSRASPRAEADPDGLAARRSE  
GALQVLDPGSRTPDGEPRTRTGTVEVVPETREVDQAQVPETGEAGVEVVPETVEVDTWVTEELLGLPEAA  
ERELELLRTSLEHQRGVSELLRGRLRELEEAHEAAVTRPQSRDVAAQTTLGCTEKTQTTELPVENQPRPT  
AGDEMAPVGILKSIMKKKDGIPGAQSSQGPKSLQFVGVNLNGEYESSSEEDGNSDDEDGVAEHPRSSSSGS  
DDSSGSDAGTPGPHNDKDAGDCELETHPELTAGREGRCELNPRLREACIALNQQLNRPGRVTSRDGNAA  
RLVAQEWFRVSSQKRSQAESVAGVLRGVKSLGPELLAYVYNLADGNGNTALHYSVSHGNLAISSLLLDTG  
VCDVNHQNRAGYSALMLAALTSVGQEEEDMAVAQRLFSGMDVNAKASQTGGQALMLAISHGHQDMVAALL  
ECGADVNVQDADGATMCASEYGRLDTVQLLLAQPGCDLTILDNEGTSALAI ALEAEQDEVAALLHAHL  
TSNHQQSSTGSPTAKECNDK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9102\\_g08.zip](https://cdn.origene.com/chromatograms/mm9102_g08.zip)

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_030697

**ORF Size:** 2373 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\\_030697.3](#)

**RefSeq Size:** 2634 bp

**RefSeq ORF:** 2376 bp

**Locus ID:** 80880

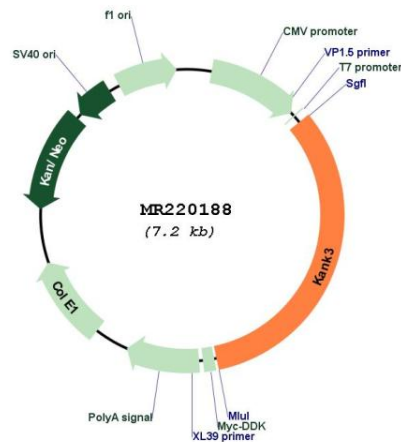
**UniProt ID:** [Q9Z1P7](#)

**Cytogenetics:** 17 17.98 cM

**MW:** 84.2 kDa

**Gene Summary:** May be involved in the control of cytoskeleton formation by regulating actin polymerization. [UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR220188