

Product datasheet for **MR218341**

Ankrd33b (NM_027496) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Ankrd33b (NM_027496) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Ankrd33b |
| Synonyms: | 0610012A05Rik; 3021401C12Rik; 5730557B15Rik |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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ORF Nucleotide Sequence:

>MR218341 representing NM_027496
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGTGTCTGGCTGGCCCGGGCCGGAGGGCGCGGGACACGCTGCTTGTCCCGCAGTCGCCGACGC
 CACCCCGTAGCGAGCAGACAGGAGAAGACCCAGCGGACTACGAGGAGTAGGAAGACTTCTCTAGTCTGCC
 GGACACCCGACGATCGCATCGGACGATTCCTTCTACCCTCCCGAGGCGAGGAAGAGTACGGCTCGGTG
 AGCGCGGAGAGCGTCCCGGAGGGCGTCCCTGAGGCGGCGACCCTCTGCGCGCCGCTGCCCAACGACG
 TGGGGTTGCTGCGGGCGTAGTGCAGGCGGGCCGAGTCCGAGGAGACTGGCCTATTGTTGCGTGCTA
 CCATGGCTTTGTGGATACCGTGGTGGCCTTAGCAGAGTGTCCCCACGTTGACGTCAACTGGCAGGACAGC
 GAAGGGAACACAGCCCTGACTGCTGCACAGGCAGGGCATGTACCATACCAACTACTTGCTGAATT
 ATTTCCCTGGTCTGGACCTAGAAAGGAGGAACATATTTGGATTCACGGCCCTCATGAAAGCGCCATGCA
 GGGCAGAACGGAATGTGTGCGAGCCCTATGATGGCAGGGCAGATGTTCAAGCAAGGGATCCCCGTCGT
 GGGCTGTACCACAGGAGTGGGCTGCGTACACAGGCCGAGCGGAGGCTGTTGCGCTCATTAGAGGCTGA
 TGGAGCGACCCTGTCCAGAGCAGTTTGGGGACAAGTACAAGCTGGAATTGCCACTTCCCGCTGAGGCGGT
 TTTGAAGAAGTCAGGTTCCAAAACTGCTTGCAGAGATTACCGCGTTTCTGCGGTCCACTCTGACCTCT
 CGCTCCTCAGGCCAGAGCCTGGAGGATGGGGCGTCTTGATCACATGGTCAGGATGACCACGAGCCTCT
 ACAGTCCCGCTGTTGCTGTAGTCTGTGACAGAGTGTGCCCTGAGAACCCTCCCTGTGTGGGAAACGACG
 CTTGGCGGTGCAGGAAATCCTAGCAGCTAGGGGCAACCTGAACGCCCAAGCGCAGGACAGCAACAAGGTA
 GAGTGTCTGAGCCACAATCCCAGATTTTGGAGACTCCAGAGCTAGCTCCCGGTCTCCCAAGTCGCCCCG
 CGGCATCGAGTCCACTCCTGCCCTGTACTCGGAAGGCCAGCCTCTGCCTTTGCAGTTGCTTCGGAG
 AAGCAGCGTGCAGCCGGGCGTGGTAGTCCCAGAGTGCAGTACAGCAAGGCACCTGCGCCACCTTCCAG
 CCAGAGCGCGCAGCGTCCAAGGGCAACCAAGGACAGCATCTACCTGCAGATCCCAAGTGGCGGTACA
 AGGAGGCCAAGGAGGAGAAGAGGAAGGCAGAGGAGGCGGAGAAGAAGCGCCAGGCAGAGGCTCAGAAAGA
 AAAGCGGGCGCCACGATGGAGGAAAAGGACG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR218341 representing NM_027496
 Red=Cloning site Green=Tags(s)

MVLLAGPGEPPGTRCLSPQSPTPRSEQTGEDPADYEEYEDFSSLPDTRSIASDDSFYPPGEEEEYGSV
 SAESVPEGVPEAATLLRAACANDVGLLRALVRRGPSSEETGLIVACYHGFVDTVVALAECPHVDVNWQDS
 EGNALITAAQAGHVTITNYLLNYFPGLDLERRNIFGFTALMKAAMQGRTECVRALMMAGADVQARDPRR
 GLSPQEWAAYTGRAEAVRVIQRLMERPCPEQFGDKYKLELPLPAEAVLKKSGSKNCLQRFTAFLRSTLTS
 RSSQSLEDGGVLDHVMRMTTSLYSPAVAVVCQTVCPENPPCVGKRRRLAVQEILAAAGNLNAQAQDSNKV
 ECSEPQSQILETPRASSRSPKSPAASRSTPAPVTRKASLLPLQLLRSSVRPGVVVPRVRI SKAPAPTFQ
 PERAASKGNTKDSIYLQIPKWRYKEAKEEKRKAEEAEKKRQAEAQKEKRAPRWRKRT

TRTRPLEQ**KL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_027496

ORF Size: 1431 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_027496.3](#), [NP_081772.1](#)

RefSeq Size: 7471 bp

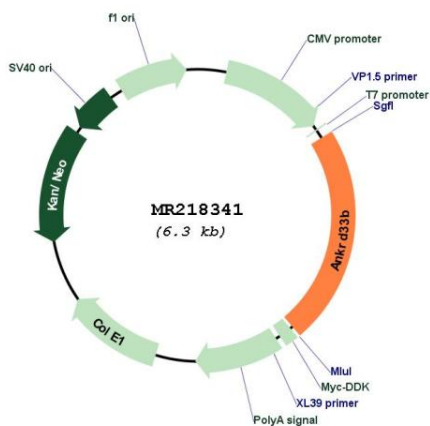
RefSeq ORF: 1434 bp

Locus ID: 67434

UniProt ID: [Q3U0L2](#)

Cytogenetics: 15 B2
 MW: 52.6 kDa

Product images:



Circular map for MR218341