

Datasheet for ABIN4946266

## Human ANKRD18B ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

### Overview

|              |                             |
|--------------|-----------------------------|
| Quantity:    | 10 µg                       |
| Gene:        | ANKRD18B                    |
| Species:     | Human                       |
| Fusion tag:  | DYKDDDDK Tag                |
| Insert:      | ORF                         |
| Vector:      | Mammalian Expression Vector |
| Application: | Protein Expression (PEXP)   |

### Product Details

|                       |  |
|-----------------------|--|
| Purpose:              | Expression/transfection ready cDNA ORF clone of Human ANKRD18B with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.   |
| Brand:                | GenEZ™   |
| Insert Length:        | 3033 bp  |
| Vector Backbone:      | pcDNA3.1+C-(K)-DYK   |
| Promoter:             | CMV Promoter   |
| Selectable Marker:    | Neomycin   |
| Bacterial Resistance: | Ampicillin   |
| Expression Type:      | Transient, Stable  |
| Sequence:             | ATGAGGAAGC TCCTCAGTTT TGGGAGACGC CTGGGCCAGG CGCTCCTGAG CTCCATGGAC<br>CAAGAGTATG CGGGTCGGGG GTACCACATT CGGGACTGGG AACTGCGGAA GATCCACAGG<br>GCGGCCATCA AGGGCGACGC CGCAGAGGTG GAGCACTGCC TGACGCGCAG GTTCCGGGAC<br>TTGGACGTCC GCGACAGAAA AGACAGGACT GTTCTACATT TGGCCTGTGC CCATGGCCGT |

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GTGCAAGTGG TCACTCTCTT GCTGGACAGA AAATGCCAGA TCAACATCTG TGACAGACTA  
AACAGGACAC CTTTAATGAA GGCTGTACAC TGCCAGGAAG AGGCTTGTGC CATTATTCTC  
CTGAAACGTG GCGCCAATCC AAACATTAAG GATATCTACG GCAACACTGC TCTCCATTAT  
GCCGTGTATA ATGAGGGGAC TTCACTGGCA GAAAGACTGC TTTCCACCA TGCAAATATT  
GAAGCACTAA ACAAGGAGGG AAACACTCCA CTTTTGTTTG CTATAAATTC CAGGAGACAG  
CATATGGTGG AATTTTTTATT GAAGAACCAG GCAAATATAC ATGCCGTTGA CAATTTCAAA  
AGAACAGCCC TCATACTTGC AGTACAGCAT AACTTGTCAA GTATCGTCAC CCTCCTGCTT  
CAACAAAATA TACATATCTC TTCTCAAGAC ATGTTTGGCC AAAGTCCGA GGATTATGCT  
TTTTGTTGTG ATTTGAGAAG CATCCAACAA CAAATTTTGG AACATAAAAA TAAGATGCTT  
AAAAATCATC TTCGAAATGA CAATCAAGAA ACAGCAGCTA TGAAGCCTGA AAATTTGAAA  
AAAAGAAAA AAAGAAAAA ATTGAAAAA AGAAAAGAAG GTGCAAAAGA ACACAACTTA  
AAAGTGGCTT CAGAGGAAAA GCAAGAAAGG CTTGAAAGAA GTGAAAATA ACAGCCGCAG  
GATTCTCAAA GTTATGGAAA AAAGAAGGAT GAGATGTTT GAAATTTTAT GTTGAAGAGA  
GACATTGCCA TGCTCAAAGA GGAATTATAT GCAATAAAAA ATGACAGTCT CAGAAAGGAA  
AAGAAATATA TTCAGGAAAT TAAAAGTATT ACAGAAATAA ATGCTAACTT TGAAAAGAGT  
GTAAGACTCA ATGAAGAAAT GATAACAAAA AAAGTGGCCC AGTATTCGCA ACAGCTTAAT  
GATCTGAAAG CTGAGAATGC AAGGCTGAAT TCAAATTGG AGAAGGAAAA ACACAACAAA  
GAAAGACTAG AAGCTGAAGT TGAATCCCTC CATTCTAACT TGGCCACTGC TATAAATGAG  
TACAATGAAA TTTTGGAAAG AAAAGACCTA GAACTAGTTT TATGGAGAGC AGATGATGTT  
TCTAGACATG AAACAATGGG TTCTAATATT TCTCAACTAA CAGATAAGAA TGAGTTGCTT  
ACTGAACAGG TCCATAAAGC TCGGGTGAAG TTCAATACCT TAAAAGGTAA GCTCCGTGAG  
ACAAGAGATG CTCTCAGGGA AAAGACATTG GCTTTAGAAA GTGTACAGCT GGACCTAAAG  
CAAGCGCAGC ATCGAATAAA GGAAATGAAG CAGATGCATC CAAATGGGGA AGCTAAAGAA  
AGTCAATCCA TTGGAAAGCA GAACTCTTCA GAGGAGAGAA TACGTCAACG AGAACTTGAA  
AATCTCTTGC TTGAACGACA ACTAGAGGAT GCTCGTAAGG AAGGTGATAA TAAAGAGATA  
GTCATTAATA TCCACAGAGA CTGTCTTGAG AATGGAAAGG AAGATCTTCT AGAAGAAAGA  
AATAAGGAAT TAATGAATGA ATATAATTAT TAAAAGAAA AACTGCTTCA GTATGAAAA  
GAAAAAGCAG AAAGAGAAGT GATTGTGAGA GAATTTCAAG AAGAACTGGT CGATCATCTT  
AAAAAATTTT CAATGTCAGA GTCTCCACTG GAAGGTACAT CACATTGTCA TATTAATTTG  
GATGAGACAT GGACTTCAAA GAAGAAATTA TTTCAAGTAG AAATTCAACC TGAAGAAAA  
CATGAAGAAT TCAGAAAAGT TTTTGAATTA ATATCATTAC TGAACTATAC TGCGGATCAA  
ATAAGAAAGA AAAATCGTGA ATTAGAAGAA GAGGCAACTG GATATAAGAA ATGCCTAGAA  
ATGACAATAA ATATGTTAAA TGCATTTGCA AATGAAGACT TCAGTTGCCA TGGAGACTTA  
AATACAGACC AACTGAAAAT GGATATTCTG TTTAAGAAGC TAAAACAGAA GTTTGATGAT  
CTTATGGCCG AGAAGGAAGC TGATCTTCA AAATGTGTCA ATTTGGCCAA AGACAATGAA  
GTTCTTCATC AGGAGTTATT ATCTATGGGA AAAGTACAAG AGAAATGTGA AAAACTTGAG

## Product Details

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AAGGATAAAA AGATGTTGGA AGAAAAAGTA TTAAATCTTA AGACACATAT GGAAAAAGAT  
ATGGTAGAAC TTGGTAAAGT ACAAGAATAT AAATCGGAGC TGGATGAAAG GGCAATGCAG  
GCAATAGAAA AATTAGAAGA AATCCATTTA CAGAAACAAG CAGAATATGA AAAACAATTA  
GAGCAGTTAA ACAAGGATAA TACGGCTTCA CTAAAAAGA AGGAACTCAC ACTTAAAGAT  
GTGGAATGTA AATTCTCCAA AATGAAAACA GCTTATGAAG ATGTTACAAC TGAATTAGAA  
GAGTATAAGG AAGCCTTTGC AGTAGCATTG AAAGCTAACA GTTCCATGTC AGAAAAATA  
ACGAAATCGG ATAAGAAAAT AGCTGTGATC AGCACCAAGC TCTTTATGGA GAAAGAGCGG  
ATGGAATATT TTCTCAGCAC TCTTCCTATG AGGCCAGACC CAGAGTTACC TTGTGTTGAA  
AATCTTAATA GTATAGAACT CAACAGAAAA TATATTCCCA AAATGGCCAT AAGAATTCCT  
ACTTCAAACC CACAGACTTC AAATAACTGC AAGAACTCCT TGAAGTACTGCT TTTGCTGCGT  
TGGGCCCTTG CTCCTATCTA CTTTCTTCTC TAG

Specificity: ORF Insert Method: CloneEZ® Seamless cloning technology, recombination-based cloning technology

Characteristics: Gene cDNA ORF clone sequences were retrieved from the NCBI Reference Sequence Database (RefSeq). These sequences represent the protein coding region of the gene cDNA ORF which is encoded by the open reading frame (ORF) sequence.

Sequencing Primer: 

- Forward primer: 5'-TAATACGACTCACTATAGGG-3'
- Reverse primer: 5'-CCTCGACTGTGCCTTCTA-3'

Grade: End-sequenced

Components: The GenEZ ORF clone is delivered as 10 µg of lyophilized plasmid DNA in a vial.

## Target Details

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Gene: ANKRD18B

Alternative Name: ANKRD18B ([ANKRD18B Products](#))

Gene ID: 441459

NCBI Accession: [NM\\_001244752](#)

## Application Details

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Restrictions: For Research Use only

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## Handling

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Format: Lyophilized

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Storage: RT/-20 °C

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Storage Comment:

- Keep the vial sealed and store at -20°C for long-term storage.
- Before use, centrifuge the vial at 6,000 g x g for 1 minute at 4°C.
- Open the lid and add 100 µl (or other volume depending on your desired final concentration) of distilled water (or TE buffer) to dissolve the DNA.
- If necessary, heat the solution at 50°C for 15 minutes to dissolve the DNA.
- Close the lid and vortex the vial for 1 minute.
- Aliquot the dissolved plasmid DNA and store in small aliquots at -20°C.

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Expiry Date: 12 months

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## Publications

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Product cited in: Johnson, Drugan, Miller, Evans: "38" in: , Vol. 1363, Issue Nucleic acids research, pp. 28-39, (1991)