

Datasheet for ABIN4947207

Human ANKRD31 ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

Overview

Quantity:	10 µg
Gene:	ANKRD31
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 ANKRD31 with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	5622 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	ATGGAGGAAG GCGTCCAGGC CCCAGACTGG GACAGTGATG AAACTGTGAT AGAGGGTTCA GTGACGGAGA GCGACCTGGA AGAAAAGGAG CTGCCCTGGA GAAGGTTGCT GTTTGATCAA GACGCATCTC TTAAATCTGA GTTCAGTCTG CATCCTGATA CAAGAGGAAT GTGCAAAGGC ATGCCTTCTC CTGAGATTCA ACTTGGATTT AAGCTCAGAG AGGATCTGCA AGAGCAAATG

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AATAAAAATA AGATGATGCC TGTTCTTAGC GAGGATACAA TATTACAGTC TCAAGATGAA
ACAGAACGAA ATCAAGCTCT GTTACAGACT AGAAAAAACT GTTCAATGTT CATTGGGTCCG
TTTCGCCAGT CTGGACTTTC ATTGAACCAC CAAAATATTG AAGGGCCAGA GGCTGAAAGT
CCTGAAGTTT TGCCACACAT AGAAAAGGAA CTAAGTGAAG GCAGAGATTC TCCTGAAGTT
AGCCTTCTCT CAGGCACTGC TATTACAGTA TCTGATACAG TTGCTGTAAA GGAGACATCA
TTAGTAGAGC CAGAGAAGAT TTTAGCAGCA CCAAATACAT TTTTGTAGCC TAGAAAAGGAA
GTCACAATGA CCATGACTTC TGAAGAACT AAGGATGAAG AAAGCTCTCT TGAACCTTT
GTGTCTGCCT TAGAAAAGTTT ACTTACATCA CCAGAAAAGCA CCCAGGAGGA AAGATTGTTT
GAATTAGTAA GTGATTTTGA TCGTAAAGAA TTGATGAACC CATTGAGTGA CTCTCTTAGT
TCCATATCAA TACCTTTGAA TTCCTGGTCC GCATGTCATA GAGATTTACT AGAAGATGCA
AAAGATGATG CATTGCCAGC TGAGTTATTG GAAGCCCTGA ACACATTGTC AGAAGCCAAG
GTGGAAACCA TCTGTCACAG AAAAGAGGGA GGTAGCAGTC TCATTGCCAG AAATGAATGT
TTAGAAGTGG AGTTCAATAC GTCTCAGACC AATGAAGATT GTACACAAAT AGCAGAGACT
CTGCAAGACC CAAATCCATC TGGATTGCAA ACTTTGGCTC ATCAAAATAT CACTTCTTGT
GAGCCACTAA GTAATAAGAG AAATTCAAAT TCAGTGACAA ATAGCTCTGA TCAGGAAACT
GCGTGTGTGT TGAGGAGATC ATCCAGACTA GAAAACTGA AAGTAAGCAG AGATGCAAAG
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GACCTAACAA ATAATAACTC TTCAGCTCAG AATTTTCAGAA TGCAGGATCC GGCTTTAATG
ATTGATGGTA AAGAGAAGAA TATGCATTCA GCAAGTTCA AGAATGGAAA ACAGATCAGG
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AGCATTAAACC GGAGAAACAT TTTTGGAGAG AACTTAGTAT ATAAGGCTGC TCTACACGAT
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GCTGGTTGGA CAGCACTTCA TGAAGCTAGT GTAGGAGGAT TTTATCGGAC AGCAAGTGAA
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GATGCAGTGA TGAATGGACA TTATAAGGTG GCAGAGTTAC TTCTTCTGAA TGGAGCTGAT
CCATTATTTA GAAATGATGA TGGAAAATGT GCTTTGGATG AGGCCAAGGA TTTATGTATG
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AGATTGGTTA CCTATCAGCA GCATATTCCA GAAACTCATA ATGACCTTCC AGAAGAATTG
TGTGAACCTT CCAGCTTAAC TCTGTCAAGC CTGAGAAATG GATTAGATAG CAGTACTGAG

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GCTTGTTTCAG TTTCCAAAGA GAAACACATC CAGAACCTGG ATTTATCAGA TAGTCAAGAA
GTTCAATGCT TGGAATTAGA ATCTGTTGAC CAAACTGAAG CTGTTTCTTT CCCAGGGCTT
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GCACCAACTT TTTAATGAA TCAAACAGAT ACACATATTG TGAAAAGAT GGCAAAGAAT
TGTGACTG AGAGGAATTA CATTGACAGA GACCAAAAAA TAATTTATTC AAATGAGCCT
TTATCCATAG TTGCTCATT CCAAGTAATA GAAACAATA AAGTTGAAAA AAGGAGACAA
AACCATCTAG AAAGTGAGAC TATACACAAT ATAGATTCTC ATTCCACTGA CAATATGAGT
AAAGAATTGG CCAACATCTC AAAACTTAGT CAAAGAGAAA AGAAGGAAAT TTCTCACAAA
CCAGGAATGA AAGCAGGTAG GATCAACAAG AGGAATGCCA GAGGGGAAAG CCAGCTTCAT
TTAGCTGTCA GAAGAGGAAA TCTGCCCTA GTGAAAGCCC TGATAGAATC TGGAGCAGAT
GTGAATCTAA ATGATAATGC AGGTTGACA CCACTTCATG AGGCATCTAA TGAAGGATCT
ATTGATATAA TTGTAGAGTT ATAAAAGCT GGTGCTAAGG TTAATTGTGA AAATATAGAT
GGAATTCTGC CCTTACATGA TGCTGTTGCA AACAATCATT TAAAGGCAGC TGAGATTCTA
CTACAAAATG GAGCAAACCC TAATCAAAAA GATCAAAAAC AGAAGAGTGC TTTGGATGAA
GCAGATGATG AAAAAATGAA AGAATTAATA AGATCTTATG GTGCTATTGA GACTGTTAAT
AGAGATGAGA GTGATGCTAT AGTCAATGAA AAAATTCCTG CTGTCCGGTC TAAAAGACAT
AAACAGTGTT TTTGTGATGA TGGCAAACT ATTGACTCAT CTTCCCTTTC ACACCAAGAA
AGATCAAGAG AAAGCCTTTC TGTGCATCAG ACCCTCAGTG CCATTCTACA AGATATAGAA
GAAAAACAAG AATATTTATT AGAGTTTGAA ATAAGAAACC CTGAAGATGC AGAACAATAC
ATTGAAAAGA TGTTAAAGAT AAAAAAGATT ATGGATAATG TGCTTGCCAA GCAGAAAGCA
GAAAGGGATG ATCTGGCTAA AAAATACAGG GTATCCATAG AGTCATTTAA GCATGGAGCC
CTGAGAGAAC AATTGGCCAA CTTGGCTGCA AGACAGAAGA GCCTTTTAGT TGTGGCAAAA
AAACAGAAAA AAATAAGCCT GAAAATTCAA AACTGTAGGA ATGTTACATC ATTGCCTTGT
CTTAGTTTAA GGAAGCTCCC ACCCAGATCA GAAATCTCTA GTGAAAAAGA CAGCCAAGAG
CTCACTAGTC TGAAAATTT AGAGCATCCC CAATCAGGTT CACTTTCTCC TGTTTCTGGA
AGCATGCAGG AAACACAATT GTCTCTGGAA ACTTGGAAC ACAGCCAAAA TACCAACATT
TGTCTAAATT CAGAGGCAGT GAGAAGGGGA GAATTTCTG GAAATGATAT GAATTCTAAA

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Product Details

CAAAATGGCA GTGATTGTAC CTTGGATGGT TTTCCAAAAT CCAGACATTC AGATGGCACA
GAGAAGAATA AATTACCATC CCAACCTGTT GCTTTTATTG GTCAAACAGA ATATTCACAG
AAAGAGAATG ATCTTACAGA AGCTACAGAC AAAGACCATG AATTCTATGT TTCTTCCCA
GTAATCGGCA AATTAAATAT TTCAGAACT GCAAGTGTC TTGCCGAAAA TGCTGCCCAT
CCATCAAATA TTATTTGTGA TCAGGACCTT TCCAATTATG ATCCCAAAG AGGAAACAGA
AAAACAAGTT CCCAGCAATC ACCTACAGGG GCATCAGAAT CTCTGGCACA TCAAGGGATT
GCTGTCTTAG GCAGTGATAC AGTGCATCAG ATGAAACCAT ATCTTAAAAA ATCAGTTTCT
GTTGTTCCAT GTGCAGATGA CAGTCAGATC TCCTCTTCCT CTGGATCTGG GCAACAAGAT
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GAGACTACCC ACAAAGCCAG TATTTTATTG AATGGTAAAC TTAAGGTAGA AAGTGGTCAG
ATTTATAAAA ACCCAGTCAC CTGGCTCAAG GATCTTCTGG GAGGCAACAG TTATGTGACC
TGGAATTATG CTTGGAGTAA GGTAACGTAT CTTGGGAAGG AGCTTTTAAG GTATGTTTCT
GAGGATGCAC CCATACTTCC AGAACCAAAC TCAGTACCTC AGCAATATCA ACCTTGCTCT
CCAGAAGTTG CTTGTTTAGA TGACCCAGTA CAGGAACCAA ACAAATCAAT GTTTGAGAAA
ACAAAATTTG GACAAGGAAC TTCCAGAGAG TCAATGCAAA GCAGCCCACG TTATCTACAA
ATAAATGAAA TACTATTAAT CAGTGATCAA GAATTTCTCC CATGCCACAT AATGGATCAG
CATTGGAAGT TTTGTGTGGA ATGTGAGGAA CTAACACCCT AA

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

Gene: ANKRD31

Alternative Name: ANKRD31

Gene ID: 256006

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Target Details

NCBI Accession: [NM_001164443](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Storage: RT/-20 °C

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.

Expiry Date: 12 months

Publications

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