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Product datasheet for SC323840

ANKRD53 (NM_024933) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ANKRD53 (NM_024933) Human Untagged Clone
Tag:	Tag Free
Symbol:	ANKRD53
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

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Fully Sequenced ORF:

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>OriGene sequence for NM_024933.2
CGGCGGGTGGGGAGCGGCAGGCGGGCAGGGTCCCCGGAGGCCCCCGGGCTCTGCCCCTCC
AGCTAGAGAGGCAGCCGAACCCTAGCGGCCTGGAAGGGGCCGGGAAACCGCGGCCAGCTG
GCAAGGAGTGGCCCCCGGGGGCGGGGCGCCGGCGGGTGTGTGAGTAGCCCGCCCGGCCCG
GGTCCGAGTTCCAGCCCCGCGATGGCCTCCGCGGGCAGCACCGCTCGGCGGGCGGGCTCC
GGAAGCTGGCACTCAGAAAGGGGAGAAGGGAGAGGTGCTCGGCCGCAGCCAACTCCAAGT
GGCTCCATGCAGCAGGCGAACAAAGTCTCCTTGAAGGCCACCTGGACTGACGCGGAGTCC
AAGCAGCCCAGCCAGCCCCTGCCCGACCTCGCAGACCACCTCAGTGCGCAGGCGACTGCC
CTCGCCAGGCCGCGCCGCCCTGCCTCGCTCACCCCGCCCCGCGCTGACCCCAGCCCCAGC
AAGGAGTCCGACCAGACGGCAATCGACCAGACGGCGATCGGGAGCTACTACCAGCTGTTC
GCAGCGGCTGTGGGCAACGTGGAATGGCTGCGATTCTGTCTGAACCAGAGCCTCAGGGAA
ATCCCCACCGACGACAAGGGCTTCACTGCCATCCACTTCGCCGCCCAATGGGGCAAGATT
GCATGCCTGCAGGTCCTGGTAGAGGAGTACAAGTTTCCCGTGGACCTGCTGACCAACAAT
AGCCAGACACCCCTGCACCTCGTCATCCACAGGGACAACACCACCGTGGCCCTCCCCTGC
ATCTACTACCTGCTGGAGAAAGGCGCAGACCTCAATGCTCAGACATGCAACGGCTCCACG
CCCCTGCACCTGGCAGCCCGTGACGGCTTGCTGGACTGTGTGAAGGTCCTGGTGCAGAGT
GGCGCCAACGTCCATGCCCAAGATGCCATGGGCTACAAACCCATTGACTTCTGCAAAATA
TGGAACCACCGTGCCTGTGCCCGGTTCTTGAAGGATGCCATGTGGAAAAAGGACAAGAAG
GACTTTGCCCGTGAGATGACGAAAATGAAGATGTTCAAGAGCCAGCTGACCCTCATGGAG
CACAACTACCTGATTGAGTATCAAGGTCAAGGATGCAGTGTGCACTTCCCATTTGCCTTT
TCCCCCATCACACCAGAGACTCTCCTATGGCAGGACATTTCTCTACTATCAGACTGTGGA
TTCCTTTGGAGAAGAAGGGAATTGTCTTTCTAAAGAGCACAAAATTCTCAGAGAAGCTGC
TATCAGAAAGTGGCTCCACGGCAAGCTGCACCCAGGCCACTCTCTGGTCTCCAATACCAA
GCAAGCCCGGGCCACCGCCCTCTCCAAGACCCCAGAGCAACGGGAATCGCAGCGTTCCAG
GAGCTTCCACCCCTCTGTGGATGCACGCCTGCAATGCATTCCACAGCCCACGGAGATGCC
CAAGCCCATCTACAGGAAGCCCACGGTCAAGCGGCCCGCGATGTGGAATGTTAGCAACAA
CCCCGCCAGACCCCCCACCACCCAGATCAGCCACTCGCAGGGCATCCGCCTGGGCGTGCA
TCCAGACCCCACTCCGGAGCACGACTTCAGCAGCTTCCTGGAGGTGAGGCCTGATGGGCA
CGGCGGTGCGCGGCTGCACACAGTGGACGGCCACTGGGTGGCGCCCGTGCCGCGGCTGCC
TTTTGAGGTGCTGCTGCGCATGCTGTACCCACGTGTATGGCCATACAGAATGAAGGTGCC
CCAGGGCTTTTACCCCATCAGCATGAGGGAAGTGCCCAGGAAGCGGCACCTGGGTGACAA
CACCTTCTGGACCGACACTCTGGCCATGAACCTGCGTGACACATTCGATGAAGCCTTCCT
GGCAGCTGTGCGATCTCATCAAGGACTCCCCACCCTGCCCTCCCCACAAACCAACCCATA
AATTTATTATGGCTACCTCTCCCCCTGAGGCAGCCCAGTGAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
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Restriction Sites: ECoRI-NOT

ACCN: NM_024933

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_024933.2, NP_079209.2
RefSeq Size:	2010 bp
RefSeq ORF:	1032 bp
Locus ID:	79998
UniProt ID:	Q8N9V6
Cytogenetics:	2p13.3
Gene Summary:	Required for normal progression through mitosis. Involved in chromosome alignment and cytokinesis via regulation of microtubules polymerization.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) contains an alternate coding exon compared to variant 1, that causes a frameshift. The resulting isoform (b) is shorter and has a distinct C-terminus compared to isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.