

Product datasheet for SC113989

ANKRD49 (NM_017704) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ANKRD49 (NM_017704) Human Untagged Clone
Tag:	Tag Free
Symbol:	ANKRD49
Synonyms:	FGIF; GBIF
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC113989 sequence for NM_017704 edited (data generated by NextGen Sequencing)

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ATGGAAAAGAAAAGGAAATGATGATGGAATACCAGACCAAGAGAATTCCTTGGATTTT
TCTGAACACTTTAACCAACTTGAATTGTTGAAACACATGGACACCTTATTCCTACTGGT
ACTCAAAGTCTTTGGGTAGGCAATTCTGATGAAGATGAGGAGCAAGATGACAAAAATGAA
GAGTGGTATCGATTGCAAGAAAAAAAATGGAAAAAGACCAAGCAGATTGCTTCTTTGG
GCTGCTGAAAAAATCGGNTTACCACAGTGCGGAGACTGCTTTCTGAAAAGGCCACTCAC
GTGAACACTAGGGATGAAGATGAGTATACCCCTCTTCATCGAGCAGCCTACAGTGGACAC
TTAGATATTGTTCCAGGAGCTCATTGCACAGGGGGCCGATGTTTCATGCAGTACTGTGGAT
GGCTGGACGCCCTGCACAGTGCTTGTAAAGTGAATAATACCAGAGTGGCTTCTTTCTTA
CTGCAGCATGATGCAGATATCAATGCCCAAACAAAAGGCCTCTTGACCCCTTGATCCTT
GCTGCTGGGAACAGAGACAGCAAGGATACCTAGAACTCCTCCTGATGAACCGTTACGTC
AAACCAGGGCTGAAAAACAATTGGAAGAACTGCATTTGATATTGCCAGGAGGACAAGT
ATCTATCACTACCTCTTTGAAATTGTGGAAGGCTGTACAAATTCTTCACCTCAGTCTTAA

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Clone variation with respect to NM_017704.2
259 c=>n;279 c=>g



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_017704 unedited
 GTCAGAATTTGTATACGACTCCTATAGGGCGGCCGCGATTCCGGCACGAGGCCTCGTGCCG
 AATTCCGGCACGAGGCGGCCACGAGGCTGTGAGATCTTGATGAACAAAGCAGTCATAATTCA
 TCTCTAGAAAGATTTATATCCTGGCATTGAAATGCTTTTTATTTAGAATAGTAGTAAAA
 AATGGAAAAAGAAAAAGGAAATGATGATGGAATACCAGACCAAGAGAATTCCCTGGATTG
 TTCTGAACTTTAACCAACTTGAATTGTTGAAACACATGGACACCTTATTCCTACTGG
 TACTCAAAGTCTTTGGGTAGGCAATTCTGATGAAGATGAGGAGCAAGATGACAAAAATGA
 AGAGTGGTATCGATTGCAAGAAAAAATGGAAAAAGACCCAAGCAGATTGCTTCTTTG
 GGCTGCTGAAAAAATCGGGTAAAAAATACAGAGGGAAGTGTGACAGTAGGAAA
 AGCACTGGGTTCAAGCCAGAAGACCTGCCTTTACTGTTATGGCCATCATACCTATCTCTT
 GATTGTGAGGACCAATGAGACAATGTACATGAAAGCACATTAAGCTGCAAAGTGCA
 TGCTAGGTATTATTTGGGGTTAAGGATAATTATCTATAAAGATAGCAAGCCATCATCT
 ATATTTTAAAATCATTATATAAAGTCATTANGATCATTANGAAAGAGAGGATGGAAC
 TAACATTATTANAACAACTATACCANGTACCTTATTACATTATNTTATTTAATCATCA
 TGTGATCCCTATAGTATATTCTTCTTTTATTGAGTNAGAAATTGAGATTCAGGAAT
 TTAATTTGCCAGGATCATCGAAGTGAATGAACATCAAAGCCTATTCTTTGCTTGCC
 ACTTCCACTCATTTACTAGTT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_017704 unedited
 CACGCAATCTAGAATCGAGTTTTTTTTTTTTTTTTTTTGTGTTCAAACCTGTACTTTAT
 TTTTCTCAAATATTTTACTTATGCTTTTTGTCATTATCCACAGTGTTTTTTTTTTAAAG
 CCTGAGCCACTTTGTGGTTTTAGCCTCAATATAATAATCATCCCCTTACTCTTAAACTAA
 TTCCTTTTCCCCTGTCACCTTGCCTGTACTCTGTAAAAATGAGGACCTTAGAAAAATCA
 ACATTTCCCTGTGAACTTGAGAGACTATACAAGCAGTGCCCAAATCAGTAGGATTAGGCAG
 GTAAAACCAAGTTGGATAGCAGATATATTATGATCTGTTGGACAAAGGTATAGTTGTGTGC
 ATGTCTACAAGGTCATCGTGATTCGCCATTAGCTTAAAGATCATGTAGGTTGACCAGGGT
 GAGGTAGGACTATCCACAGGATTGTGTAATTTGTGGTAGGGGATGCAGTATACAATATTC
 ATGAATTAACACTTAGCTAACTGCTTCTGAAAAATGGTCTGTGTTCTAAAAGACAAAG
 ATCTAAGTTTTTGTGTTTTTACTTTAACTTATGAAGATCAAGTCACTAATATGTTA
 CTTGCTCTGGTTAAAAATGAAAGCAACTGGCTATGGTAAGGTAGAGAAGACAGCTGAATT
 GTATCAGAATATTTAAGACTTTTAAATTAAGTTCTGAGCTACCTCACCTANTAAAATAT
 ATGTCAAATACTAAATACCCAACAAGATCCAGGATGTGGGATATTTAAAATACATTTCT
 CTTGATCAGACCAAAAATACAGTTTCTGTACACCCGTGTCAGTTTTAAGTATACCACATT
 AAAATATTCTGATAAAAAATCCAAACTCACANATATAATAAGATTATGCAATTACCTTCA
 ATACATTTGACTCAAGTCAGGCATCACTGGAAGATGTATATGAATGCACTGATTCTGATA
 GAGTTGACGCACTT

Restriction Sites:

NotI-NotI

ACCN:

NM_017704

Insert Size:

3410 bp

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).

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:	<ol style="list-style-type: none">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:	<u>NM_017704.2</u> , <u>NP_060174.2</u>
RefSeq Size:	1924 bp
RefSeq ORF:	720 bp
Locus ID:	54851
UniProt ID:	<u>Q8WVL7</u>
Cytogenetics:	11q21
Domains:	ANK
Gene Summary:	Induces HBG1 expression (PubMed:16131492, PubMed:11162141). May have a role in spermatogenesis where it promotes autophagy in response to serum starvation, via the NF-kappaB pathway (By similarity).[UniProtKB/Swiss-Prot Function]