

Product datasheet for SC107809

ANKRD46 (NM_198401) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ANKRD46 (NM_198401) Human Untagged Clone
Tag:	Tag Free
Symbol:	ANKRD46
Synonyms:	ANK-S; GENX-115279
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_198401 edited

```

CCTCCTTGAAGCTGCCGCTGCTGCTGCTCGTTCGAGTCGCAGATCCTTGCCAGCAC
TTACAGAAATATTTTGTGAACCTTCTTGAGAATTCAGAGAACTGCTGAGTGACCACTG
AACGAAAAGATCTAATCTTAAGGCTTACGCGTGTTCATCCACCACATCAGAACAAATGTC
GTATGTTTTTGTAAATGATTCTTCTCAGACTAACGTGCCCTTGCTGCAAGCCTGTATTGA
TGGGGACTTTAATTATTCCAAGCGGCTTTTGAAAAGTGGCTTTGACCCAAATATTCGTGA
CAGCAGGGGCAGAACAGGCCTTCACCTTGACGAGCTCGAGGGAATGTAGACATCTGCCA
GTTACTGCATAAATTCGGTGCCGATCTTCTGGCCACAGATTATCAAGGAAACACAGCTCT
TCACCTCTGTGGCCATGTGGATACTATCCAATTTTGGTTTCCAATGGACTCAAATTTGA
TATTTGCAATCATCAAGGTGCTACCCCTTAGTTCTGGCAAAGCGCAGAGGAGTAAATAA
AGATGTATCCGATTGCTGGAATCTTTGGAAGAACAGGAGGTGAAAGGATTTAACAGAGG
AACCCTCGAAACTGGAGACCATGCAAACAGCTGAGAGTGAAAGTGCCATGGAAAGCCA
TTCACTCCTCAATCCCAACCTGCAGCAAGGTGAAGGAGTCCTCTCCAGCTTCCGAACCA
GTGGCAGGAGTTTGTGGAGGATCTGGGCTTCTGGAGAGTATTGCTGTTGATCTTCGTCAT
TGCTTTGCTGCTCTTGGCATTGCTTATTATGTGAGTGGGGTGCTACCCTTCGTGGAAAA
CCAGCCTGAACTGGTGCAATTAAGGAGCTCATGGAAGATGAGGCAATTAATTGCCTGTTT
CCTGGCTTCCAATGTTTGTCTCAGTTTCTCAGAAATTTTCTTAGCGCAAAGCAGTGAGG
GCAGTACATGTTCTTTTGCATTTTAAATTATTGTAATCCTTTTAGATAATGATGTGTTT
ATTTGAACTAACTACATACTATGATCAAGTATATTGCATCCTAACGCTACCTCTGACTCA
ACCTGACTTTGTAGGAAAGCCTACACGTAGCCTTGTGTTGATAAAAAACAGGAAGTGACTA
GAGAATGGAAGATAAAGGAAGAAGCTAGGAAGTCCTTGCTATCAAAACCTTATCCTAATA
TAGGACCAATTGAAGTATTCAAAAAGAAAAACAGTATCTTATATGATTAGTTTTTGTGG
TGGTTTTGTTTTCATTTATTTTGAAGAGCCACTTTTATTTACTTTCTCTAGGGATAA
GAGATAAACTTGAAGTACTTTTTTCAAATCTTGTGTGCAAAATTAGTATTGTTAGCATCT
ATTTGGCTTATTTTAGTATTTTAAAGTCTAGTCACAAACCAACAAAACCTTTGAAAATG
AGCTATATTTGTTCAAAGATAATTGATTTGATCTTATATTTATTTGTTTTTAGGATAAT
TTTT
  
```


[View online »](#)

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_198401 unedited <pre> GGATTTGTATACGACTCCTATAGGGCGGCCGCGATTTCGGCACGAGGCCTCCTTGAAGCTG CCGCTGTCGCTGCTGCTCGTTTCGAGTCGCAGATCCTTGCCAGCACATTACAGAATATTTT TGTTGAACCTTCTTGAGAATTCAGAGAACTGCTGAGTGACCACTGAACGAAAAGATCTA ATCTTAAGGCTTACGCGTGTTCATCCACCACATCAGAACAAATGTCGTATGTTTTGTAA ATGATTTCTTCAGACTAACGTGCCCTTGCTGCAAGCCTGTATTGATGGGGACTTTAATT ATTCCAAGCGGCTTTTGGAAAGTGGCTTTGACCCAAATATTCGTGACAGCAGGGGCAGAA CAGGCCTTCACCTTGACGACGCTCGAGGGAATGTAGACATCTGCCAGTTACTGCATAAAT TCGGTGCCGATCTTCTGCCCACAGATTATCAAGGAAACACAGCTTTCACCTCTGTGGCC ATGTGGATACTATCCAATTTTTGGTTTCCAATGGACTCAAAATTGATATTTGCAATCATC AAGGTGCTACCCCTTTAGTTCTGGCAAAGCGCAGAGGAGTAAATAAAGATGTCATCCGAT TGCTGGAATCTTTGGAAGAACAGGAGGTGAAAGGATTTAACAGAGGAACCCACTCGAAAC TGGAGACCATGCAACAGCTGAGAGTGAAAGTGCCATGGAAGCCATTCACTCCTCAATC CCAACCTGCAGCAGGGTGAAGGAGTCTCTCCAGCTTTTCGACCAGTGGCAGGAGTTTG GGNAGGATCTGGGCTTCTGGNAGAGTATGCTGNTGATCTTCGNCATTTGCTTGCTGTCTC TTGGCATGCTTATATGTGAGTGGGGTGCTACCCTTCGTGAAACAGNCTGACTGTGCATTA AGGACTATGGAGAGANNGCATATTGCTGTTCTGCTTTCCATGTGTCTAGTCTCAAATTTT CTACG </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_198401
Insert Size:	1500 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).
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:	<u>NM_198401.2, NP_940683.1</u>
RefSeq Size:	2800 bp
RefSeq ORF:	687 bp
Locus ID:	157567
UniProt ID:	<u>Q86W74</u>

Cytogenetics: 8q22.3

Protein Families: Transmembrane

Gene Summary: This gene encodes a protein containing multiple ankyrin repeats. Ankyrin domains function in protein-protein interactions in a variety of cellular processes. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2012]
Transcript Variant: This variant (2) contains an alternate exon in the 5' UTR, compared to variant 1. Variants 1, 2, and 3 encode the same protein (isoform 1).