OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC106620

KANK3 (NM_198471) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KANK3 (NM_198471) Human Untagged Clone
Tag:	Tag Free
Symbol:	KANK3
Synonyms:	ANKRD47
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2023 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

Fully Sequenced ORF:

>OriGene ORF within SC106620 sequence for NM_198471 edited (data generated by NextGen Sequencing)

ATGGCCAAGTTTGCCCTGAATCAGAACCTGCCCGACCTGGGCGGCCCCCGCCTGTGCCCG
GTCCCCGCCGCCGGGGGCGCACGCAGCCCGAGCTCGCCCTACTCGGTGGAGACGCCCTAC
GGCTTCCACCTGGACCTGGACTTCCTCAAGTACATAGAGGAGCTGGAGCGTGGCCCCGCT
GCCCGCCGCGCCCCGGGACCCCCGACCTCGCGCCGTCCCCGCGCGCCCCGGCCCGGCCTC
GCGGGCGCACGTAGCCCAGGCGCCTGGACATCCAGCGAGTCCCTGGCCAGTGACGACGGT
GGAGCACCGGGCATACTCTCCCAGGGCGCGCCCTCGGGGCTCCTGATGCAGCCGCTGTCG
CCGCGCGCGCCCGTGCGCAACCCGCGCGTCGAGCACACGCTCCGGGAGACCAGCCGGCGG
CTGGAGCTGGCGCAGACACACGAGCGCGCGCCCAGCCCCGGCCGCGGGGTCCCGCGCAGC
CCACGCGGGTCCGGCCGCAGCAGCCCCGCCCCTAACCTTGCCCCTGCTTCGCCCGGCCCT
GCCCAACTGCAGCTGGTGCGCGAGCAGATGGCCGCGGCGCTGCGGCGCCTGCGCGAGCTC
GAGGACCAGGCGCGAACGCTGCCCGAGCTGCAGGAGCAGGTGCGCGCGCTGCGCGCCGAG
AAGGCGCGGCTGCTGGCCGGGCGCGCGCAGCCCGAGCCGGACGGGGAGGCTGAGACGCGC
CCGGACAAGCTCGCCCAGCTGCGGCGGCTCACCGAGCGCCTGGCCACCTCCGAGCGCGGC
GGCCGTGCCAGGGCCAGCCCCCGGGCTGACAGCCCAGACGGCCTGGCTGCAGGGCGCAGC
GAGGGCGCGCTCCAGGTCCTCGACGGGGAGGTCGGGAGTCTCGATGGGACGCCCCAGACC
CGGGAGGTGGCCGCCGAGGCCGTGCCCGAGACCCGAGAAGCGGGTGCCCAGGCCGTGCCG
GAGACCCGGGAGGCCGGCGTGGAGGCTGCCCCCGAGACCGTGGAGGCGGACGCGTGGGTG
ACCGAGGCGCTGCTGGGGCTGCCTGCGGCCGCCGAGCGCGAGCTAGAGCTGCTGCACGCC
AGCCTGGAGCACCAGCGCGGGGTGAGTGAGCTTCTGCGGGGCCGGTTGCGGGAGCTGGAG
GAAGCCCGCGAGGCTGCGGAGGAGGCAGCGGCGGGGGCCCGGGCCCAGCTACGCGAGGCC
ACCACCCAGACCCCGTGGAGCTGTGCCGAAAAGGCCGCGCAGACCGAGTCCCCGGCAGAG
GCGCCCTCCTTGACTCAGGAGAGCTCGCCCGGATCCATGGACGGAGACAGGGCCGTGGCG
CCCGCGGGCATCCTCAAATCCATCATGAAGAAGAGAGACGGCACACCTGGTGCCCAACCC
AGCTCCGGACCCAAGAGCCTGCAGTTTGTTGGGGTCCTCAACGGAGAGTACGAGAGCTCC
TCCAGCGAGGACGCCAGCGACAGCGANNGCGACAGCGAGAACGGTGGCGCCGAGCCCCCG
GGTAGCTCCTCGGGCTCCGGGGATGACAGCGGCGGGGGATCCGACTCGGGCACCCCTGGC
CCTCCCAGCGGCGGGGACATCCGGGACCCTGAGCCCGAGGCGGAGGCAGAGCCTCAGCAG
GTGGCACAGGGGAGGTGCGAGCTGAGCCCGCGTCTGAGGGAGGCGTGCGTAGCGCTGCAG
CGGCAGCTGAGCCGGCCCCGCGGAGTAGCCAGCGACGGCGGCGCAGTGCGCCTCGTGGCC
CAGGAGTGGTTTCGAGTGTCCAGCCAGCGGCGCTCTCAGGCGGAGCCCGTGGCCAGGATG
CTGGAAGGGGTGAGGCGCCTGGGACCCGAACTGCTGGCGCACGTGGTGAACCTGGCGGAT
GGCAACGGGAACACGGCCCTGCACTACAGTGTGTCCCACGGGAACCTGGCCATCGCAAGC
CTGCTCCTGGATACGGGGGCCTGCGAGGTCAACCGCCAGAACCGAGCCGGCTACTCGGCC
CTCATGCTGGCTGCACTCACCTCTGTGAGGCAGGAAGAGGAGGACATGGCTGTGGTCCAG
AGACTCTTCTGCATGGGTGATGTCAATGCCAAGGCCAGTCAGACGGGGCAGACAGCCCTC
ATGCTGGCCATCAGCCATGGCCGACAGGACATGGTGGCAACCCTACTGGCGTGTGGGGCT
GATGTGAATGCGCAGGATGCGGATGGGGCCACAGCGCTGATGTGTGCCAGTGAGTATGGG
CGCCTGGACACCGTGCGGCTGCTGCTCACCCAGCCAGGCTGTGACCCTGCCATCCTGGAC
AATGAGGGCACCAGTGCCCTGGCCATCGCCCTGGAGGCTGAGCAGGATGAGGTGGCCGCT
CTGCTACATGCCCACCTGAGCTCGGGCCAGCCCGACACCCAGAGCGAGTCACCCCCTGGC
TCCCAGACAGCCACACCTGGTGAAGGAGAATGCGGTGACAATGGAGAGAACCCCCAGGTT
CAGTAA

Clone variation with respect to NM_198471.2
1076 g=>a;1083 t=>c;1467 t=>n;1468 g=>n

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2023 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

5' Read Nucleotide Sequence:

```
>OriGene 5' read for NM_198471 unedited
AAGTTCAAATATTGTATACGACTCATATAGGCGGCCGCGAATTCGCACAGGCGGCTGGGG
CTGCGGCTTCAGGTGCCTCTGACAGCTGCTGCAGGAAAAATTGGCCAAGTTTGCCCTGAA
TCAGAANCTGCCCGACCTGGGCGGCCCCCGCCTTGTGCCCGGTCCCCGCCGCCGGGGGCG
CACGCAGCCCGAGCCTCGCCCTACTCGGTGGAGAACGCCCTACGGCTTCCACCTGGACCT
GGACTTCCTCAAGTACATAGAGGAGCTGGAGCGTGGCCCCGCTGCCCGCCGCGCCCCGGG
ACCCCCGACCTCGCGCCGTCCCCGCGCGCCCCGGCCCGGCCTCGCGGGCGCACGTAGCCC
AGGCGCCTGGACATCCAGCGAGTCCCTGGCCAGTGACGACGGTGGAGCACCGGGCATACT
CTCCCAGGGCGCGCCCTCGGGGCTCCTGATGCAGCCGCTGTCGCCGCGCGCGCCCGTGCG
CAACCCGCGCGTCGAGCACACGCTCCGGGAGACCAGCCGGCGGCTGGAGCTGGCGCAGAC
ACACNGAGCGCGCGCCCAGCCNCGCCCGGCGGGGTCCCGCGCAGCCCACNGCGGGTCCGG
CCGCAGCAGCCCCGCCCCTAACCTTGCCCCTGCTTCGCCCGGCCCTGNCCCAACTGCAGC
TGGTGCGCGAGCAGATGGCCGCGGCGCTGCGGCGCCTGCGCGAGCTCGAGGACCAGGCGC
GAACGCTGCCCGAGCTGCANGAGCAGGTGCGCGCGCTGCGCGCCNAGAAGCGCGGCTGCT
GGCCGGGCGCGCGCAACCCGAGCCCGACGGGGAGGCTGAAACCGCCCCCGAAAGCTCGCC
CAGCTGCGGCGGCTCACCGAACGCCTGGCCACCTTCGAAGCGCGCGGCCCGTGCAGGGCC
AACCCCCGGGCTGACACCCCAAACGCCTGGCTGT
```

Restriction Sites: NotI-NotI

ACCN: NM_198471

Insert Size: 2850 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:
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_198471.1, NP_940873.1

RefSeq Size: 2778 bp

RefSeq ORF: 2466 bp

Locus ID: 256949

UniProt ID: Q6NY19

Cytogenetics: 19p13.2

Gene Summary: May be involved in the control of cytoskeleton formation by regulating actin polymerization. [UniProtKB/Swiss-Prot Function]

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2023 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US