

## Product datasheet for **SC113491**

### **YANK2 (STK32B) (NM\_018401) Human Untagged Clone**

#### **Product data:**

**Product Type:** Expression Plasmids  
**Product Name:** YANK2 (STK32B) (NM\_018401) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** YANK2  
**Synonyms:** HSA250839; STK32; STKG6; YANK2  
**Mammalian Cell Selection:** None  
**Vector:** [pCMV6-XL5](#)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene ORF sequence for NM\_018401 edited  
ATGGGCGGGAACCACTCCCACAAGCCCCCGTGTTTGACGAGAATGAGGAAGTCAACTTT  
GACCATTTTCAGATTCTGCGGGCCATTGGTAAAGGGAGTTTTGGAAAGGTATGCATCGTG  
CAGAAGCGAGACACTAAGAAAATGTATGCAATGAAGTACATGAACAAGCAGAAAGTGCATC  
GAGAGGGATGAGTTTCGGAATGTTTTCCGGGAGCTGCAGATCATGCAAGGGCTGGAGCAC  
CCCTTCTGGTCAATCTGTGGTACTCCTCCAGGATGAGGAGGACATGTTTCATGGTGGT  
GACCTGCTCCTGGGAGGCGACCTGCGCTACCATCTGCAGCAGAATGTGCATTTTCACAGAG  
GGGACTGTGAAACTCTACATCTGTGAGCTGGCACTGGCCCTGGAGTATCTTCAGAGGTAC  
CACATCATCCACAGAGACATCAAGCCAGACAATATCCTGCTGGATGAACACGGACATGTT  
CACATTACAGACTTCAACATAGCGACGGTAGTAAAGGAGCAGAAAGGGCTTCTCCATG  
GCTGGCACCAAGCCCTACATGGCTCCAGAAGTATTCCAGGTGTACATGGACAGAGGCCCC  
GGATACTCGTACCCTGTGACTGGTGGTCCCTGGGCATCACAGCCTATGAGCTGCTGCGG  
GGCTGGAGGCCGTACGAAATCCACTCGGTACGCCCCATCGATGAAATCCTCAACATGTT  
AAGGTGGAGCGTGTCCACTACTCCTCCACGTGGTGAAGGGGATGGTGGCCCTGCTGAGG  
AAGCTCCTGACCAAGGATCCTGAGAGCCGCGTGTCCAGCCTTCATGACATACAGAGCGTG  
CCCTACTTGGCCGACATGAACTGGGACGCGGTGTTCAAGAAGGCACTGATGCCCGGCTTT  
GTGCCAATAAAGGGAGGTTGAACTGCGATCCCACATTTGAGCTTGAAGAGATGATTCTA  
GAATCCAAGCCACTTCACAAAAAGAAGAAGCGATTGGCAAAGAACAGATCCAGGGATGCG  
ACAAAGGACAGCTGCCCGCTGAATGGACACCTGCAGCACTGTTTTGGAGACTGTCCGGGAG  
GAATTCATCATATTCAACAGAGAGAAGCTCAGGAGGCAGCAGGGACAGGGCAGCCAGCTC  
TTGGACACCGACAGCCGAGGGGGAGGCCAGGCCAAAGCAAGCTCCAGGACGGGTGCAAC  
AACAACTCCTCACCCACACCTGCACCCGTGGCTGCAGCAGCTGA



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_018401 unedited</p> <p>TGTCGANATTTGTATACGACTCATATAGGGCGGCCGGAATTCGCACGAGGGGGGACGCC          GTCCCCGCCCTGCACGGTGTCTGGCCCCCTCGGGCTCCGCGCGCGGCTACAACCCGGAC          TGGGCGCGCCCCCGGCATCCCGCATCTCTGCGCGGTCCACATCCCGCATCCGGCATCC          CAGCGGCCGGGCATGTAGCAGCGCAGCAACGGCGGAATATGGGCGGGAACCACTCCCAC          AAGCCCCCGTGTGTTGACGAGAATGAGGAAGTCAACTTTGACCATTTTCAGATTCTGCGG          GCCATTGGTAAAGGGAGTTTTGGAAAGGTATGCATCGTGCAGAAGCGAGACACTAAGAAA          ATGTATGCAATGAAGTACATGAACAAGCAGAAGTGCATCGAGAGGGATGAGGTTCCGAAT          GTTTTCCGGGAGCTGCAGATCATGCAAGGGCTGGAGCACCCCTTCTGGTCAATCTGTGG          TACTCCTTCCAGGATGAGGAGGACATGTTTATGGTGGTGGACCTGCTCCTGGGAGGCGAC          CTGCGCTACCATCTGCAGCAGAATGTGCATTTACAGAGGGGACTGTGAAACTCTACATC          TGTGAGCTGGCACTGGCCCTGGAGTATCTTCCAGAGGTACCACATCATCCACAGAGACATC          AAGCCAGACAATATCCTGCTGGATGAACACGGACATGTTACATTACAGACTTCAACATA          GCGACGGTAGTGAAGGAGCAGAAAGGGCTTCTCCATGGCTGGACCAAGCCCTACATG          GCTCCAGAAGTATCCAGGTGTACATGGACAGAGGCCCGGATACTCGTACCCTGTGCGAC          TGGTGGTCCCTGGGCATCACAGCCTATGAGCTGCTGCGGNGCTGGAGCCGTACNAAATC          CACTCGTCACGCCATCGAA</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_018401 unedited</p> <p>GCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTCCAAGAAA          TAGTTTATCCAAACAAGAAATGCCAAGTGAACAGAACCAGGAAATCTGGGGTTCCTAG          GCGGACTCCAGTCTCTGCCCTAATTCGGGAAGTCCAGCCAATAAAAAAACCATCATC          ATCTTAAAAGCCTCCAGGGTCCAGTAGGAGAGGAGCAGGCCCTTATTTCTGGGGGA          GGGGGGAGCAGGACGGTTGTTGATGGGACATAAATTAAGAAAAGTGTCAAAAACAAG          TCAACTGACGAGGAGCACACAATCCAAAAATAGTCTCGGTTGAAAGGAGGAAAACCTGA          CTATTTCTTTTTAAAAATAAAAAATAAAACCCTAACCATCCCTTAAAAATGCTTTTAA          GAAATCTAAAAGATGACATGGACAGCCCCAAGGATTGAGTAATCATGTAAAAAGTAAAAA          ATGGAAGTTGGATGAAAAATAAAAAACAGCCCGAAGTTCAGCAGGATGTAACAAACAA          ATATCAAAGACCCAGGAAGAACATTTGGAACATTCCTAACAGGGTTGTTTGGCCAAAA          AAATGACCTGCTGGCGAGTGAACGAAGAAAGTCCCTAAATATGATGACCGTTTTCTGCA          AAAAGCCTCCCTGAAAAATTTAGTTTACTATCCCCTGTAAGAAAAGATGAAAATGGCTTT          TAAAACGAATTGCATGCCTTGCCAGGGCTCCAATTAGTCATACACCAGCAGCGCTGGA          TTCGAACACAACCTGGCCCCAAGCTTAGGTTTCCCTGCTATTTCAAATTCTCCATCCAAG          CGCAGTCTCTTGTGACAAACCAAGTGCCTGGCTTTTGGGCCACCTCTCCCNCGGAAAT          ACTTTTAAAGCCAGCCCCCCCCGCCACAAGAGGAGTTCCACCCCG</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_018401
<b>Insert Size:</b>	3900 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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\\_018401.1](#), [NP\\_060871.1](#)

**RefSeq Size:** 3224 bp

**RefSeq ORF:** 1245 bp

**Locus ID:** 55351

**UniProt ID:** [Q9NY57](#)

**Cytogenetics:** 4p16.2

**Domains:** pkinase, TyrKc, S\_TKc

**Protein Families:** Druggable Genome, Protein Kinase

**Gene Summary:** This gene encodes a serine-threonine protein kinase. Serine-threonine kinases transfer phosphate molecules to the oxygen atoms of serine and threonine. A genomic deletion affecting this gene has been associated with Ellis-van Creveld syndrome, an autosomal recessive skeletal dysplasia. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2016]