**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 SC118004

## YY1 (NM_003403) Human Untagged Clone

### Product data:

| | |
|---|---|
| **Product Type:** | Expression Plasmids |
| **Product Name:** | YY1 (NM_003403) Human Untagged Clone |
| **Tag:** | Tag Free |
| **Symbol:** | YY1 |
| **Synonyms:** | DELTA; GADEVS; INO80S; NF-E1; UCRBP; YIN-YANG-1 |
| **Mammalian Cell Selection:** | None |
| **Vector:** | pCMV6-XL5 |
| **E. coli Selection:** | Ampicillin (100 ug/mL) |

**Fully Sequenced ORF:**

>OriGene sequence for NM_003403 edited
GCCTCTGCCTTCCTTCCCCACGGCCGGCCGCCTCCTCGCCCGCCCGCCCGCAGCCGAGGA
GCCGAGGCCGCCGCGGCCGTGGCGGCGGAGCCCTCAGCCATGGCCTCGGGCGACACCCTC
TACATCGCCACGGACGGCTCGGAGATGCCGGCCGAGATCGTGGAGCTGCACGAGATCGAG
GTGGAGACCATCCCGGTGGAGACCATCGAGACCACAGTGGTGGGCGAGGAGGAGGAGGAG
GACGACGACGACGAGGACGGCGGCGGTGGCGACCACGGCGGCGGGGGCGGCCACGGGCAC
GCCGGCCACCACCACCACCACCATCACCACCACCACCACCCGCCCATGATCGCTCTGCAG
CCGCTGGTCACCGACGACCCGACCCAGGTGCACCACCACCAGGAGGTGATCCTGGTGCAG
ACGCGCGAGGAGGTGGTGGGCGGCGACGACTCGGACGGGCTGCGCGCCGAGGACGGCTTC
GAGGATCAGATTCTCATCCCGGTGCCCGCGCCGGCCGGCGGCGACGACGACTACATTGAA
CAAACGCTGGTCACCGTGGCGGCGGCCGGCAAGAGCGGCGGCGGCGGCTCGTCGTCGTCG
GGAGGCGGCCGCGTCAAGAAGGGCGGCGGCAAGAAGAGCGGCAAGAAGAGTTACCTCAGC
GGCGGGGCCGGCGCGGCGGGCGGCGGCGGCGCCGACCCGGGCAACAAGAAGTGGGAGCAG
AAGCAGGTGCAGATCAAGACCCTGGAGGGCGAGTTCTCGGTCACCATGTGGTCCTCAGAT
GAAAAAAAAGATATTGACCATGAGACAGTGGTTGAAGAACAGATCATTGGAGAGAACTCA
CCTCCTGATTATTCAGAATATATGACAGGAAAGAAACTTCCTCCTGGAGGAATACCTGGC
ATTGACCTCTCAGATCCCAAACAACTGGCAGAATTTGCTAGAATGAAGCCAAGAAAAATT
AAAGAAGATGATGCTCCAAGAACAATAGCTTGCCCTCATAAAGGCTGCACAAAGATGTTC
AGGGATAACTCGGCCATGAGAAAACATCTGCACACCCACGGTCCCAGAGTCCACGTCTGT
GCAGAATGTGGCAAAGCTTTTGTTGAGAGTTCAAAACTAAAACGACACCAACTGGTTCAT
ACTGGAGAGAAGCCCTTTCAGTGCACGTTCGAAGGCTGTGGGAAACGCTTTTCACTGGAC
TTCAATTTGCGCACACATGTGCGAATCCATACCGGAGACAGGCCCTATGTGTGCCCCTTC
GATGGTTGTAATAAGAAGTTTGCTCAGTCAACTAACCTGAAATCTCACATCTTAACACAT
GCTAAGGCCAAAAACAACCAGTGAAAAGAAGAGAGAAGACCCTTCTCGACCACGGGAAGC
ATCTTCCAGAAGTGTGATTGGGAATAAATATGCCTCTCCTTTGTATATTATTTCTAGGAA
GAAT



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM_003403 unedited
TCTATCCCCCGCCCGTTGCCGCAAATGGGCGTAGGCGTGTACGGTGGGAGGTCTATATAA
GCAGAGCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGC
GAATTCGGCACGAGGCCTCTGCCTTCCTTCCCCACGGCCGGCCGCCTCCTCGCCCGCCCG
CCCGCAGCCGAGGAGCCGAGGCCGCCGCGGCCGTGGCGGCGGAGCCCTCAGCCATGGCCT
CGGGCGACACCCTCTACATCGCCACGGACGGCTCGGAGATGCCGGCCGAGATCGTGGAGC
TGCACGAGATCGAGGTGGAGACCATCCCGGTGGAGACCATCGAGACCACAGTGGTGGGCG
AGGAGGAGGAGGAGGACGACGACGACGAGGACGGCGGCGGTGGCGACCACGGCGGCGGGG
GCGGCCACGGGCACGCCGGCCACCACCACCACCACCATCACCACCACCACCACCCGCCCA
TGATCGCTCTGCAGCCGCTGGTCACCGACGACCCGACCCAGGTGCACCACCACCAGGAGG
TGATCCTGGTGCAGACGCGCGAGGAGGTGGTGGGCGGCGACGACTCGGACGGGCTGCGCG
CCGAGGACGGCTTCGAGGATCAGATTCTCATCCCGGTGCCCGCGCCGGCCGGCGGCGACG
ACGACTACATTGAACAAACGCTGGTCACCGTGGCGGCGGCCGGCAAGAGCGGCGGCGGCG
GCTCGTCGTCGTCGGGAGGCGGCCGCGTCAAGAAAGGCGGCNGCAAGAAGAGCGGCAAGA
AGAGTTACCTNCAGCGCGGGGCCCGCGCGGCGGGNCGGCGCNGCCCCCACCCGGGCACAA
GAAGTGGGAGCAGAAGCAGGTGCAGATCAAGACCCTGGAGGGGCGAGTCTCGGTCACCAT
GTGGTCCTCAGATGAAAAAAAGAATT

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM_003403 unedited
NTTACTTGNACCGCGCCGCATTCTANGATCGAGTTTTTTTTTTTTTTTTTACTACTTTA
TCAAAACATGTCCCTTAGGTGTGTAGGATTCATTTTTAAAATTCTTCCTAGAAATAATAT
ACAAAGGAGAGGCATATTTATTCCCAATCACACTTCTGGAAGATGCTTCCCGTGGTCGAG
AAGGGTCTTCTCTCTTCTTTTCACTGGTTGTTTTTGGCCTTAGCATGTGTTAAGATGTGA
GATTTCAGGTTAGTTGACTGAGCAAACTTCTTATTACAACCATCGAAGGGGCACACATAG
GGCCTGTCTCCGGTATGGATTCGCACATGTGTGCGCAAATTGAAGTCCAGTGAAAAGCGT
TTCCCACAGCCTTCGAACGTGCACTGAAAGGGCTTCTCTCCAGTATGAACCAGTTGGTGT
CGTTTTAGTTTTGAACTCTCAACAAAAGCTTTGCCACATTCTGCACAGACGTGGACTCTG
GGACCGTGGGTGTGCAGATGTTTTCTCATGGCCGAGTTATCCCTGAACATCTTTGTGCAG
CCTTTATGAGGGCAAGCTATTGTTCTTGGAGCATCATCTTCTTTAATTTTTCTTGGCTTC
ATTCTAGCAAATTCTGCCAGTTGTTTGGGATCTGAGAGGTCAATGCCAGGTATTCCTCCA
GGAGGAAGTTTCTTTCCTGTCATATATTCTGAATAATCAGGAGGTGAGTTCTCTCCAATG
ATCTGGTCTTCAACCACTGTCTCATGGGCAATATCTTTTTTTTCATCTGAAGACCACATG
GTGACCGAGAACTCGCCCTCCGGGGCTTGATCTGCACCTGTTTCTGCTTCCACTCCTGTT
GCCCCGGTCGGGGCCCCCCCCCGCCGCCGGGCCGGTCCCCGCCGTGAATAACCTTTTTTG
CCCGTTTTTTGGCCCCCCCCTTTTGCCCGGGCGCCTCCCAAGACGAA

**Restriction Sites:** NotI-NotI

**ACCN:** NM_003403

**Insert Size:** 1640 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.<br>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.<br>3. Close the tube and incubate for 10 minutes at room temperature.<br>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.<br>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_003403.3, NP_003394.1 |
| **RefSeq Size:** | 2592 bp |
| **RefSeq ORF:** | 1245 bp |
| **Locus ID:** | 7528 |
| **UniProt ID:** | P25490 |
| **Cytogenetics:** | 14q32.2 |
| **Domains:** | zf-C2H2 |
| **Protein Families:** | Druggable Genome, Transcription Factors |
| **Gene Summary:** | YY1 is a ubiquitously distributed transcription factor belonging to the GLI-Kruppel class of zinc finger proteins. The protein is involved in repressing and activating a diverse number of promoters. YY1 may direct histone deacetylases and histone acetyltransferases to a promoter in order to activate or repress the promoter, thus implicating histone modification in the function of YY1. [provided by RefSeq, Jul 2008] |