

## Product datasheet for RC207198

### YY1 (NM\_003403) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	YY1 (NM_003403) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	YY1
Synonyms:	DELTA; GADEVS; INO80S; NF-E1; UCRBP; YIN-YANG-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC207198 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCTCGGGGACACCCTCTACATCGCCACGGACGGCTCGGAGATGCCGGCCGAGATCGTGGAGCTGC  
ACGAGATCGAGGTGGAGACCATCCCGTGGAGACCATCGAGACCACAGTGGTGGGCGAGGAGGAGGAGGA  
GGACGACGACGACGAGGACGGCGCGGTGGCGACCACGGCGGGGGCGGCCACGGGCACGCCGCCAC  
CACCACCACCACCATCACCACCACCACCACCCGCCATGATCGCTCTGCAGCCGCTGGTCCACGACGACC  
CGACCCAGGTGCACCACCACCAGGAGGTGATCCTGGTGCAGACGCGCAGGAGGTGGTGGCGGCGACGA  
CTCGGACGGGCTGCGCGCCGAGGACGGCTTCGAGGATCAGATTCTCATCCCGTGCCTCCGCCGCGCCG  
GGCAGCAGCAGCTACATTGAACAAACGCTGGTCAACCGTGGCGGCGCCGCAAGAGCGGCGGCGCGGCT  
CGTCGTCGTCGGGAGGCGGCCGCGTCAAGAAGGGCGGCAAGAAGAGCGGCAAGAAGATTACCTCAG  
CGGCGGGGCGGCGCGGCGGCGGCGGCGCCGACCCGGGCAACAAGAAGTGGGAGCAGAAGCAGGTG  
CAGATCAAGACCTGGAGGGCGAGTTCTCGTCCACCATGTGGTCCCTCAGATGAAAAAAGATATTGACC  
ATGAGACAGTGGTTGAAGAACAGATCATTGGAGAGAACTCACCTCCTGATTATTCAGAATATATGACAGG  
AAAGAACTTCTCCTGGAGGAATACCTGGCATTGACCTCTCAGATCCCAAACTGGCAGAATTTGCT  
AGAATGAAGCCAAGAAAAATTAAGAAGATGATGCTCCAAGAACAATAGCTTGCCTCATAAAGGTGCA  
CAAAGATGTTTCAGGGATAACTCGGCCATGAGAAAACATCTGCACACCCACGGTCCAGAGTCCACGTCG  
TGCAAGATGTGGCAAAGCTTTTGTGAGAGTTCAAACTAAAACGACACCAACTGGTTTCATACTGGAGAG  
AAGCCCTTTCAGTGCACGTTTCAAGGCTGTGGAAACGCTTTTCACTGGACTTCAATTTGCGCACACATG  
TGCGAATCCATACCGGAGACAGGCCCTATGTGTGCCCTTCGATGGTTGTAATAAGAAGTTTGCTCAGTC  
AACTAACCTGAAATCTCACATCTAACACATGCTAAGGCCAAAAACAACCAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_003403.5](#)

**RefSeq Size:** 3159 bp

**RefSeq ORF:** 1245 bp

**Locus ID:** 7528

**UniProt ID:** [P25490](#)

**Cytogenetics:** 14q32.2

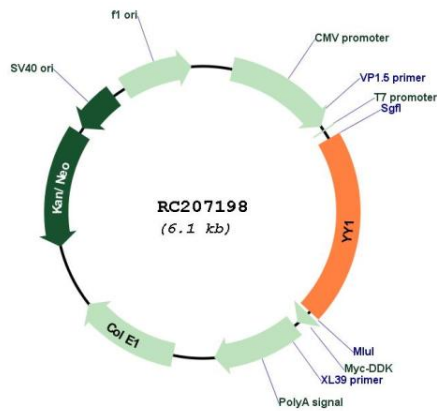
**Domains:** zf-C2H2

**Protein Families:** Druggable Genome, Transcription Factors

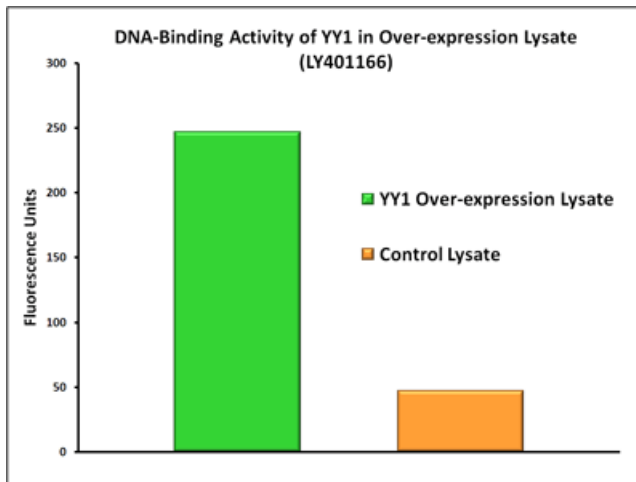
**MW:** 44.7 kDa

**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]

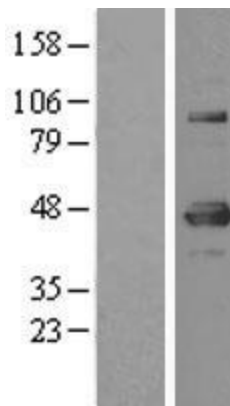
Product images:



Circular map for RC207198



DNA-binding activity of YY1 was measured in OriGene over-expression lysate [LY401166] and a control lysate. Three microliters of each lysate was tested with a transcription factor binding assay utilizing YY1-specific DNA sequences. The high level of activity observed in the over-expression lysate compared to the control lysate demonstrates that the expressed YY1 is biologically active in the lysate. Overexpression cell lysates are prepared from HEK293T cells transfected with RC207198 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Western blot validation of overexpression lysate (Cat# [LY401166]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC207198 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).