

## Product datasheet for RG207198

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

#### Product data:

Product Type:	Expression Plasmids
Product Name:	YY1 (NM_003403) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	YY1
Synonyms:	DELTA; GADEV5; INO80S; NF-E1; UCRBP; YIN-YANG-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG207198 representing NM_003403 <span style="color: red;">Red</span> =Cloning site <span style="color: blue;">Blue</span> =ORF <span style="color: green;">Green</span> =Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGATCGCC

ATGGCCTCGGGGACACCCTCTACATCGCCACGGACGGCTCGGAGATGCCGGCCGAGATCGTGGAGCTGC  
 ACGAGATCGAGGTGGAGACCATCCCCTGGAGACCATCGAGACCACAGTGGTGGGCGAGGAGGAGGAGGA  
 GGACGACGACGACGAGGACGGCGCGGTGGCGACCACGGCGGGGGCGGCCACGGGCACGCCGCCAC  
 CACCACCACCACCATCACCACCACCACCACCCGCCATGATCGCTCTGCAGCCGCTGGTCACCGACGACC  
 CGACCCAGGTGCACCACCACCAGGAGGTGATCCTGGTGCAGACGCGCAGGAGGTGGTGGCGGGCAGCA  
 CTCGGACGGGCTGCGCGCCGAGGACGGCTTCGAGGATCAGATTCTCATCCCGGTGCCCGCCGGCCGCGC  
 GCGCAGCAGACTACATTGAACAAACGCTGGTCAACCGTGGCGGGCCGCAAGAGCGGGCGCGCGGCT  
 CGTCGTCGTCGGGAGGCGCGCGTCAAGAAGGGCGGGCAAGAAGAGCGGCAAGAAGAGTTACCTCAG  
 CGGCGGGGCGGGCGGGCGGGCGGGCGGCGCCGACCCGGGCAACAAGAAGTGGGAGCAGAAGCAGGTG  
 CAGATCAAGACCTGGAGGGCGAGTTCTCGTCAACATGTGGTCTCAGATGAAAAAAGATATTGACC  
 ATGAGACAGTGGTTGAAGAACAGATCATTGGAGAGAACTACCTCCTGATTATTCAGAATATATGACAGG  
 AAAGAACTTCTCTGGAGGAATACCTGGCATTGACCTCTCAGATCCCAAACAACTGGCAGAATTTGCT  
 AGAATGAAGCCAAGAAAAATTAAGAAGATGATGCTCCAAGAACAATAGCTTGCCTCATAAAGGCTGCA  
 CAAAGATGTTTCAGGGATAACTCGGCCATGAGAAAACATCTGCACACCCACGGTCCCAGAGTCCACGTCG  
 TGCAGAATGTGGCAAAGCTTTTGTGGAGTTCAAAACAAAACGACACCAACTGGTTCATACTGGAGAG  
 AAGCCCTTTCAGTGCAGTTTCGAAGGCTGTGGAAACGCTTTTCACTGGACTTCAATTTGCGCACACATG  
 TGCGAATCCATACCGGAGACAGGCCCTATGTGTGCCCTTCGATGGTTGTAATAAGAAGTTTGCTCAGTC  
 AACTAACCTGAAATCTCACATCTAACACATGCTAAGGCCAAAAACAACCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online >](#)

**Protein Sequence:** >RG207198 representing NM\_003403  
Red=Cloning site Green=Tags(s)

MASGDTLYIATDGSMPAEIVELHEIEVETIPVETIETTIVVGGEEEEEDDDDEDGGGGDGHGGGGHGHAGH  
 HHHHHHHHHPPMIALQPLVTDPTQVHHHQEVILVQTREEVVGDDSDGLRAEDGFEDQILIPVPAPAG  
 GDDDYIEQTLVTVAAGKSGGGSSSSGGGRVKKGGGKSGKKS<sup>+</sup>SYL.SGGAGAAGGGGADPGNKKWEQKQV  
 QIKTLEGEFSVTMWSSDEKKDIDHETVVEEQIIGENSPPDYSEYMTGKKLPPGGIPGIDLSDPKQLAEFA  
 RMKPRKIKEDDAPRTIACPHKGCTKMFRDNSAMRKHHLTHGPRVHVCAECGKAFVSSKLRHQLVHTGE  
 KPFQCTFEGCGKRFSLDFNLRTHVRIHTGDRPYVCPFDGCNKKFAQSTNLKSHILTHAKAKNNQ

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_003403

**ORF Size:** 1242 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_003403.5](#)

**RefSeq Size:** 2592 bp

**RefSeq ORF:** 1245 bp

**Locus ID:** 7528

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

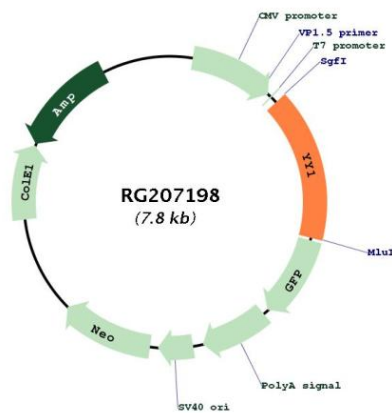
**Cytogenetics:** 14q32.2

**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]

### Product images:



Circular map for RG207198