

Product datasheet for **RG223433**

YY2 (NM_206923) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	YY2 (NM_206923) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	YY2
Synonyms:	ZNF631
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG223433 representing NM_206923 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCTCCAACGAAGATTTCTCCACCACACAAGACCTGGAGATCCCGGCAGATATTGTGGAGCTCCAGC
ACATCAATGTGGAGCCCCTTCTATGGAGGACATTCGACGAAAGCGTCCAGTACGAGGATGTGGATGG
CAATTGGATCTACGGTGGCCACAACCATCCGCCATTGATGGTGTGCAGCCGCTTTCACGAACACGGGC
TATGGCGACCACGACCAGGAAATGCTTATGTTGCAGACACAAGAGGAAGTGGTGGGCTATTGCGACTCAG
ACAACCAGCTAGGCAACGACTTGGAGGACCAGTTGGCCCTCCCGGATAGCATTGAAGACGAGCACTTCCA
GATGACCTGGCCTCTCTGTGCGCCTCGGCGGCATCAACATCAACATCAACCCAGAGCCGAGCAAAAAG
CCCAGCAAAAAGGCCAGCGGCAAGAGTGCCACCAGCACTGAGGCCAACCCGGCAGGCAGCAGCTCCAGCC
TGGGCACGAGGAAGTGGGAGCAGAAGCAAATGCAGGTCAAACGCTGGAGGGTGAGTTTTCCGTGACTAT
GTGGTCCCCTAACGATAACAATGACCAAGGGCAGTGGGTGAAGGCCAGGCTGAAAACCCACCTGATTAT
TCCGAGTACTTGAAGGGAAGAACTTCTCTGGGGGTTACCAGGCATTGATCTCTCAGATCCTAAAC
AGCTGGCAGAATTTACTAAAGTGAAGCCAAAAGTCCAAGGAGAACCTCCAAAACAGTCCCTTGCTC
TTATAGCGGCTGCGAAAAGATGTTCCGGGATTACGCCCCATGAGAAAACATCTCCACATCCACGGGCCC
AGAGTCCACGTAATGTGCAGAATGTGGCAAAGCTTTTCTTGAGAGCTCAAAGCTGAGACGACACCCAGCTGG
TCCACACCGGCGAGAAGCCCTTTCAGTGACATTCGAAGGCTGCGGGAACGCTTTTCCCTTGATTCAA
TTTGCGCACACACTTGCGCATCCACACCGGCGATAAGCCCTTCGTGTGCCCTTCGATGTTTGCAACAGG
AAGTTCGCTCAGTCAACCAACCTGAAAACCCACATATTAACGCATGTGAAGACCAAAAACAACCCG

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG223433 representing NM_206923
 Red=Cloning site Green=Tags(s)

MASNEDEFSTTQDLEIPADIVELHDINVEPLPMEDIPTESVQYEDVDGNWIYGGHNHPPLMVLQPLFTNTG
 YGDHDQEMLMQTQEEVVGVCSDNQLGNDLEDQLALPDSIEDEHFQMTLASLSASAASTSTSTQSRSKK
 PSKRPSGK SATSTEANPAGSSSSLGTRKWEQKMQVKTLEGEFSVTMWS PNDNDQ GAVGEGQAENPPDY
 SEYLGKGLLPPGGLPGIDLSDPKQLAEFTKVKPKRSKGEPPKTVPCSYSGCEKMF RDYAAMRKHLHIHG P
 RVHVCAECGKAFLESSKLRRHQLVHTGEKPFQCTFEGCGKRFSLDFNLRTHLRIHTGDKPFVCPFDVCNR
 KFAQSTNLKTHILTHVKKNP

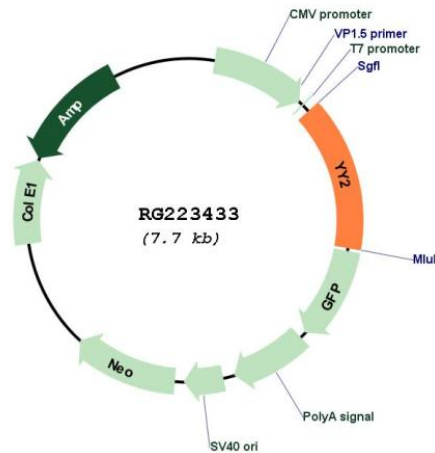
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_206923

ORF Size:	1116 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:	<ol style="list-style-type: none">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_206923.1 , NP_996806.1
RefSeq Size:	1119 bp
RefSeq ORF:	1119 bp
Locus ID:	404281
UniProt ID:	Q15391
Cytogenetics:	Xp22.12
Protein Families:	Transcription Factors
Gene Summary:	The protein encoded by this gene is a transcription factor that includes several Kruppel-like zinc fingers in its C-terminal region. It possesses both activation and repression domains, and it can therefore have both positive and negative effects on the transcription of target genes. This gene has an intronless coding region, and it appears to have arisen by retrotransposition of the related YY1 transcription factor gene, which is located on chromosome 14. [provided by RefSeq, May 2010]