

## Product datasheet for **RG231433**

### **YY1AP1 (NM\_001198903) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	YY1AP1 (NM_001198903) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	YY1AP1
Synonyms:	GRNG; HCCA1; HCCA2; YY1AP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG231433 representing NM\_001198903  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCCGGAGTCGGGCGAAGCGGGGACCGTGGGGAAGAACGCGAGGAGGAGGAGTGGGAGTTGGGGG  
 TGTGCTAGGCGCCCTTAGCTCCCTCCCTCTGGAGGAGCTGCCGCGGCCACTCTGCTGCCCGCTGCCG  
 CCGCCATTTGGGTTTCGCTTTGCGAGGGGAAACGATCCCAGTGTGCGTTGCGGGATCCGCTCCTCTCAG  
 TTTGCCCTTTAGCCCTCCACCTTTCCCTTCTCCTCTCTCGCATTTCCGCCAGTCGGCTTACCCGCTGGC  
 CGCCTCTGACAAGCGGGAGGGATCCGCGGTGGACCCAGGGAAGCGGAGGAGCCTGGCGGCCACCCCTC  
 TTCCTCACTTCCCTGTACTCTCATCGCTCTCGGCTCCGACACGAAAAGGAAGCAATGAGCTGATGGAA  
 GATCTGTTTGAACCTTTCCAAGATGAGATGGGATTCTCCAACATGGAAGATGATGGCCAGAAGAGGAGG  
 AGCGTGTGGCTGAGCCTCAAGCTAACTTAAACCCCTCAAGCTCTACGTTTGGAGAACTACTGGCCAA  
 CCTACTAAATGAACAACATCAGATAGCGAAGGAAGTATTTGAACAGCTGAAGATGAAGAACTTACGCC  
 AAACAGCAGAAGGAGGTAGAGAAGGTTAAACCCCAAGTGTAAAGAAAGTTCATCAGACCCCTGATTCTGGACC  
 CAGCACAAGGAAGAGACTCCAGCAGCAGATGCAGCAGCATGTTCAAGCTTTGACACAAATCCACCTTCT  
 TGCCACCTGCAACCCCAATCTCAATCCGGAGGCCAGTAGCACCAGGATATGTCTTAAAGAGCTGGGAACC  
 TTTGCTCAAAGCTCCATCGCCCTTACCATCAGTACAACCCCAAGTTTACAGCCCTGTTCCAACCTGTAA  
 ACTTGATGGGAGCTATGCAGCTGATTGAAGACTTCAGCACACATGTCAGCATTGACTGCAGCCCTCATAA  
 AACTGTCAAGAAGACTGCCAATGAATTTCCCTGTTTGCCTAAAGCAAGTGGCTTGGATCCTGGCCACAAGC  
 AAGGTTTTCATGTATCCAGAGTTACTTCCAGTGTGTTCCCTGAAGGCAAGAATCCCAAGGATAAGATCC  
 TCTTACCAAGGCTGAGGACAATTTGTTAGCTTAAAGACTGAAGCATTTTGAAGGACTGATTTCTTAA  
 CCCTCTAATCAGCAAGTACCTTCTAACCTGCAAGACTGCCCGCCAAGTACAGTGAAGTCAAGAACCTC  
 AACATGAACAGAGCTCCTGACAACATCATTAAATTTTATAAGAAGACCAACAGCTGCCAGTCTAGGAA  
 AATGCTGTGAAGAGATCCAGCCACATCAGTGAAGCCACCTATAGAGAGAGAAGAACCACCGCTCCCAT  
 CTGGTTAAAGGCCAGTCTGCCATCCATCCAGGAAGAACTGCGGCACATGGCTGATGGTGCTAGAGAGGTA  
 GGAAATATGACTGGAACCACTGAGATCAACTCAGATCAAGGCCTAGAAAAAGACAACCTCAGAGTTGGGGA  
 GTGAAACTCGGTACCCACTGCTATTGCCTAAGGGTGTAGTCTGAAACTGAAGCCAGTTGCCGACCGTTT  
 CCCCAGAAGGCTTGGAGACAGAAGCGTTCATCAGTCTGAAACCCCTCCTTATCCAACCCAGCCCTCT  
 CTCAGCCAGCTTCAACCTGGGAAAACACCAGCCCAATCAACTCATTGAGAAGCCCTCCGAGCAAAA  
 TGGTGCTCCGGATTCTCACCAATACAGCCAGCCACTGTTTACAGACAGTTCCAGGTGTCCTCCACT  
 GGGGGTCAAGTGGAGGTGAGAGTTTTGAGTCTCCTGCAGCACTGCCTGCTATGCCCCCTGAGGCCAGGACA  
 AGCTTCCCTCTGTCTGAGTCCCAGACTTTGCTCTTCTGCCCTGTGCCAAGGTAATGATGCCCTCCC  
 CTGCCCTTCCATGTTTTCGAAAGCCATATGTGAGACGGAGACCCTCAAAAAGAAGGGGAGCCAGGGCCTT  
 TCGCTGTATCAAACCTGCCCTGTTATCCACCCTGCATCTGTTATCTTCACTGTTCTCTGCTACCCTGTG  
 AAGATTGTGAGCCTTGGCGGTGGCTGTAACATGATCCAGCCTGTCAATGCGGCTGTGGCCAGAGTCCCC  
 AGACTATTTCCATCGCCACCCTTTGGTTAACCCTACTTCCCTCCCTGTCCATTGAACCCAGCCCTTGT  
 GGCTCCTCTGTCTCACCTTAATTGTTTCTGGCAATTTGTGAATCTTCTATACCATCCACCCCTGAA  
 GATAAGGCCACATGAATGTGGACATTGCTTGTGCTGTGGCTGATGGGGAAAATGCCTTTCAGGGCCTAG  
 AACCCAAATTAGAGCCCAAGAACTATCTCCTCTCTGCTACTGTTTTCCCAAAGTGGAAATAGCCC  
 AGGGCCTCCACAGTCGATAAACAGTGCCAAGAAGGATTGTGAGAGAACAGTGCCTATCGCTGGACCGTT  
 GTGAAAACAGAGGAGGGAAGGCAAGCTCTGGAGCCGCTCCCTCAGGGCATCCAGGAGTCTCTAAACAAC  
 CTTCCCTGGGGATTTAGAGGAAGTTGTCAAGATGGAACCTGAAGATGCTACAGAGGAAATCAGTGGATT  
 TCTT

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – **GTTTAA**

**Protein Sequence:** >RG231433 representing NM\_001198903  
 Red=Cloning site Green=Tags(s)

MAGVGRSGGPWGRTRGGRSGRLGVSLGALSSLPLEELPRPLCCRRCRRHFGFALRGETIPVSVAGSASSQ  
 FAPLALHL SLLL SRISASRL TRWPPDKREGSAVDPGKRRSLAATPSSSLPCTLI ALGLRHEKEANELME  
 DLFETFQDEMGSNMEDDGP EEEERVAEPQANFNTPQALRFEELLANLLNEQHQIAKELFEQLKMKKPSA  
 KQQKEVEKVKPQCKEVHQTLLILDP AQRKRLQQMQQHVVQLLTQIHL L ATCNPNLNPEASSTRICLKELGT  
 FAQSSIALHHQYNPKFQTLFQPCNLMGAMQLIEDFSTHVSIDCSPHKTVKKTANEFPCLPKQVAWILATS  
 KVFMYPELLPVCSLKAKNPQDKILFTKAEDNLLALGLKHFEGETFLNPLISKYLLTCKTARQLTVRIKNL  
 NMNRAPDNIKIFYKTKQLPVLGKCC E EI QPHQWKPIEREEHRLPFWLKASLPSIQEELRHMDGAREV  
 GNMTGTTEINSDQGLEKDNSELGSETRYPLLLPKGVVLLKLPVADRFPKKAWRQKRSSVLKPLLIQPS  
 LQPSFNPKGTPAQSTHSEAPSKMVLRIHPHIQPATVLTQVPGVPLVSGGESFESPAALPAMPPEART  
 SFPLSESQTLSSAPVPKVMMPSPASSMFRKPYVRRRPSKRRGARAFRCIKPAPVIHPASVIFTVPATTV  
 KIVSLGGCNMIQPVNAAVAQSPQTIPIATLLVNPTSFPCPLNQPLVASSVSPLIVSGNSVNLPIPSTPE  
 DKAHMNVDIACA VADGENAFQGLEPKLEPQELSPLSATVFPKVEHSPGPPVVDKQCEGLSENSAYRWT  
 VKTEEGRQALEPLPQGIQESLNNSSPGDLEEVKMEPEDATEEISGFL

TRTRPLE - GFP Tag - V

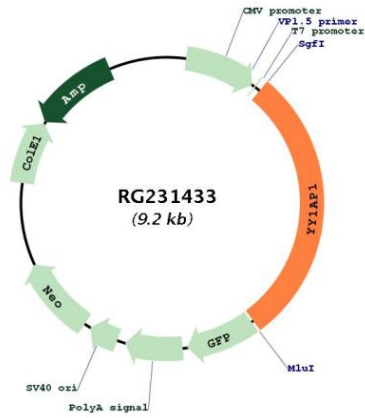
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



<b>ACCN:</b>	NM_001198903
<b>ORF Size:</b>	2664 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001198903.1</a> , <a href="#">NP_001185832.1</a>
<b>RefSeq Size:</b>	3091 bp
<b>RefSeq ORF:</b>	2667 bp
<b>Locus ID:</b>	55249
<b>UniProt ID:</b>	<a href="#">Q9H869</a>
<b>Cytogenetics:</b>	1q22
<b>Gene Summary:</b>	The encoded gene product presumably interacts with YY1 protein; however, its exact function is not known. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG231433