

## Product datasheet for **RG233122**

### **YY1AP1 (NM\_001198902) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	YY1AP1 (NM_001198902) 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:

>RG233122 representing NM\_001198902  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGGAAGATCTGTTTGAACCTTTCCAAGATGAGATGGATTCTCCAACATGGAAGATGATGGCCAGAAG  
AGGAGGAGCGTGTGGCTGAGCCTCAAGCTAACTTTAACACCCCTCAAGCTCTACGTTTGAGGAACACT  
GGCCAACCTACTAAATGAACAACATCAGATAGCGAAGGAAGTATTTGAACAGCTGAAGATGAAGAACT  
TCAGCCAAACAGCAGAAGGAGGTAGAGAAGTTAAACCCAGTGAAGGAAGTTCATCAGACCCTGATTC  
TGGACCCAGCACAAAGGAAGAGACTCCAGCAGCAGATGCAGCAGCATGTTGAGCTTTGACACAAATCCA  
CCTTCTTGCCACCTGCAACCCCAATCTCAATCCGGAGGCCAGTAGCACCAGGATATGTCTTAAAGAGCTG  
GGAACCTTTGCTCAAAGCTCCATCGCCCTTACCATCAGTACAACCCCAAGTTTCAGACCCTGTTCCAAC  
CCTGTAACCTGATGGGAGCTATGCAGCTGATTGAAGACTTCAGCACACATGTCAGCATTGACTGCAGCCC  
TCATAAACTGTCAAGAAGACTGCCAATGAATTTCCCTGTTTGCCAAAGCAAGTGGCTTGGATCCTGGCC  
ACAAGCAAGGTTTTTCATGTATCCAGAGTACTTCCAGTGTGTTCCCTGAAGGCAAAGAATCCCCAGGATA  
AGATCCTCTTACCAAGGCTGAGGACAATTTGTTAGCTTTAGGACTGAAGCATTTTGAAGGGACTGAGTT  
TCTTAACCTCTAATCAGCAAGTACCTTCTAACCTGCAAGACTGCCCGCCAACTGACAGTGAAGATCAAG  
AACCTCAACATGAACAGAGCTCCTGACAACATCATTAAATTTTATAAGAAGACCAACAGCTGCCAGTCC  
TAGGAAAATGCTGTGAAGAGATCCAGCCACATCAGTGGAGCCACCTATAGAGAGAGAAGAACACCGGCT  
CCCATTCTGGTTAAAGGCCAGTCTGCCATCCATCCAGGAAGAAGTGGCCACATGGCTGATGGTGTAGA  
GAGGTAGGAAATGACTGGAACCACTGAGATCAACTCAGATCAAGGCCTAGAAAAGACAACACTCAGAGT  
TGGGGAGTGAAACTCGGTACCCACTGCTATTGCCTAAGGGTGTAGTCTGAAACTGAAGCCAGTTGCCGA  
CCGTTTTCCCAAGAAGGCTTGGAGACAGAAGCGTTCATCAGTCCCTGAAACCCCTCCTTATCCAACCCAGC  
CCCTCTCTCCAGCCAGCTTCAACCTGGGAAAACACCAGCCCAATCAACTCATTGAGAAGCCCTCCGA  
GCAAAAATGGTGTCCGGATTCTCACCCAATACAGCCAGCCACTGTTTTACAGACAGTTCAGGTGTCCC  
TCCACTGGGGTCAAGTGGAGGTGAGAGTTTTGAGTCTCTGAGCAGTGCCTGCTATGCCCCCTGAGGCC  
AGGACAAGCTTCCCTCTGTCTGAGTCCCAGACTTTGCTCTCTTCTGCCCTGTGCCCAAGGTAATGATGC  
CCTCCCCTGCCTTCTCATGTTTCGAAAGCCATATGTGAGACGGAGACCCTCAAAAAGAAGGGGAGCCAG  
GGCCTTTCGCTGTATCAAACCTGCCCTGTTATCCACCCTGCATCTGTTATCTTCACTGTTCTCTGCTACC  
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GTCCCCAGACTATCCCATCGCCACCCTTGGTTAACCTACTTCCCTCCCCTGTCCATTGAACCGCC  
CCTTGTGGCCTCCTCTGTCTCACCTTAATTGTTTCTGGCAATTCTGTGAATCTTCTATACCATCCACC  
CCTGAAGATAAGGCCACATGAATGTGGACATTGCTTGTGCTGTGGCTGATGGGGAAAATGCCTTTCAGG  
GCCTAGAACCCAAATTAGAGCCCCAGGAAGTATCTCCTCTCTGCTACTGTTTTCCCAAGTGGAAACA  
TAGCCCAGGGCCTCCACCAGTCGATAAACAGTGCACAAGGATTGTGAGAGAACAGTGCCTATCGCTGG  
ACCGTTGTGAAAACAGAGGAGGGAAGCAAGCTCTGGAGCCGCTCCCTCAGGGCATCCAGGAGTCTCTAA  
ACAACCTTCCCCTGGGATTTAGAGGAAGTTGTCAAGATGGAACCTGAAGATGCTACAGAGGAAATCAG  
TGGATTTCTT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG233122 representing NM\_001198902  
 Red=Cloning site Green=Tags(s)

MEDLFETFQDEMGSNMEDDGPEEEERVAEPQANFNTPQALRFEELLANLLNEQHQIAKELFEQLKMKKP  
 SAKOQKEVEKVKPQCKEVHQTLLDPAQRKRLQQMQQHVQLLTQIHLLATCNPNLNPEASSTRICKEL  
 GTFAQSSIALHHQYNPKFQTLFQPCNLGMAMQLIEDFSTHVSIDCSPHKTVKKTANEFPCLPKQVAWILA  
 TSKVFMYPELLPVCSLKAKNPQDKILFKAEDNLLALGLKHFEGTEFLNPLISKYLLTCKTARQLTVRIK  
 NLNMNRAPDNIKIFYKKTQLPVLGKCCEEIQPHQWKPPIEREEHRLPFWLKASLPSIQEELRHMDGAR  
 EVGNMTGTTEINSDQGLEKDNSELGSETRYPLLLPKGVVLKLPVADRFPPKAWRQKRSSVLKPLLIQPS  
 PSLQPSFNPQKTPAQSTHSEAPPSKMVLRIPHIQPATVLTQVPGVPLGVSGGESFESPAALPAMPPEA  
 RTSFPLSESQLTLLSSAPVPKVMMPSPASSMFRKPYVRRRPSKRRGARAFRCIKPAPVIHPASVIFTVPAT  
 TVKIVSLGGGCNMIQPVNAAVAQSPQTIPIATLLVNPTSFPCPLNQPLVASSVSPLIVSGNSVNLPIPST  
 PEDKAHMNVDIACAADGENAFQGLEPKLEPQEL SPLSATVFPKVEHSPGPPVVDKQCQEGLSENSAYRW  
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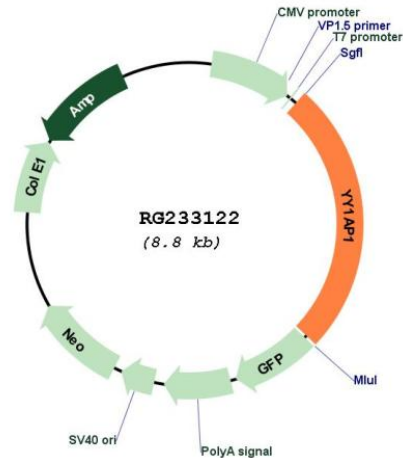
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**Plasmid Map:**


**ACCN:** NM\_001198902

**ORF Size:** 2250 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\\_001198902.1](#), [NP\\_001185831.1](#)

**RefSeq Size:** 2571 bp

**RefSeq ORF:** 2253 bp

**Locus ID:** 55249

UniProt ID: [Q9H869](#)

Cytogenetics: 1q22

Gene Summary: 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]