

## Product datasheet for **RC230869**

### **YY1AP1 (NM\_001198905) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	YY1AP1 (NM_001198905) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	YY1AP1
Synonyms:	GRNG; HCCA1; HCCA2; YY1AP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC230869 representing NM\_001198905  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAAGATCTGTTTGAACCTTTCCAAGATGAGATGGGATTCTCCAACATGGAAGATGATGGCCAGAAG  
 AGGAGGAGCGTGTGGCTGAGCCTCAAGCTAACTTTAACACCCCTCAAGCTCTACGGTTTGAGGAACTACT  
 GGCCAACCTACTAAATGAACAACATCAGATAGCGAAGGAACTATTTGAACAGCTGAAGATGAAGAAACCT  
 TCAGCCAAACAGCAGAAGGAGGTAGAGAAGGTTAAACCCAGTGTAAAGGAAGTTCATCAGACCCTGATTC  
 TGGACCCAGCACAAAGGAAGAGACTCCAGCAGCAGATGCAGCAGCATGTTGAGCTTTGACACAAATCCA  
 CCTTCTTGCCACCTGCAACCCCAATCTCAATCCGGAGGCCAGTAGCACCAGGATATGTCTTAAAGAGCTG  
 GGAACCTTTGCTCAAAGCTCCATCGCCCTTACCATCAGTACAACCCCAAGTTTCAGACCCTGTTCCAAC  
 CCTGTAACCTGATGGGAGCTATGCAGCTGATTGAAGACTTCAGCACACATGTCAGCATTGACTGCAGCCC  
 TCATAAACTGTCAAGAAGACTGCCAATGAATTTCCCTGTTTGCCAAAGCAAGTGGCTTGGATCCTGGCC  
 ACAAGCAAGGTTTTTCATGTATCCAGAGTACTTCCAGTGTGTTCCCTGAAGGCAAAGAATCCCCAGGATA  
 AGATCCTCTTACCAAGGCTGAGGACAACAAGTACCTTCTAACCTGCAAGACTGCCCGCCAACTGACAGT  
 GAGAATCAAGAACCTCAACATGAACAGAGCTCCTGACAACATCATTAAATTTTATAAGAAGACCAAACAG  
 CTGCCAGTCTAGGAAAATGCTGTGAAGAGATCCAGCCACATCAGTGGAAAGCCACCTATAGAGAGAGAAG  
 AACACCGGCTCCCATTCTGGTTAAAGGCCAGTCTGCCATCCATCCAGGAAGAAGTGCAGCACATGGCTGA  
 TGGTGTAGAGAGGTAGGAAATATGACTGGAACCACTGAGTCAACTCAGATCAAGGCCTAGAAAAAGAC  
 AACTCAGAGTTGGGGAGTGAACCTCGGTACCCACTGCTATTGCCTAAGGGTGTAGTCTGAAACCTGAAAG  
 CAGTTGCCGACCGTTTCCCAAGAAGGCTTGGAGACAGAAGCGTTCATCAGTCTGAAACCCCTCCTTAT  
 CCAACCCAGCCCTCTCTCCAGCCAGCTTCAACCTGGGAAAACACCAGCCCAATCAACTCATTACAGAA  
 GCCCTCCGAGCAAAATGGTGTCCGGATTCTCACCCAATACAGCCAGCCACTGTTTTACAGACAGTTC  
 CAGGTGTCCCTCCACTGGGGTCAAGTGGAGGTGAGAGTTTTGAGTCTCCTGCAGCACTGCCTGCTATGCC  
 CCCTGAGGCCAGGACAAGCTTCCCTCTGTCTGAGTCCCAGACTTTGCTCTCTTCTGCCCTGTGCCAAG  
 GTAATGATGCCCTCCCCTGCCTTCCATGTTTCGAAAGCCATATGTGAGACGGAGACCCTCAAAAAGAA  
 GGGGAGCCAGGGCCTTTCGCTGTATCAAACCTGCCCTGTATCCACCCTGCATCTGTTATCTTCACTGT  
 TCCTGCTACCACTGTGAAGATTGTGAGCCTTGGCGGTGGCTGTAACATGATCCAGCCTGTCAATGCGGCT  
 GTGGCCAGAGTCCCAGACTATCCCATCGCCACCCTTTGGTTAACCTACTTCTTCCCTGTCCAT  
 TGAACCAGCCCTTGTGGCCTCCTCTGTCTCACCTTAATTGTTTCTGGCAATTCTGTGAATCTTCTAT  
 ACCATCCACCCCTGAAGATAAGGCCACATGAATGTGGACATTGCTTGTGCTGTGGCTGATGGGGAAAAT  
 GCCTTTCAGGGCCTAGAACCCAAATTAGAGCCCAGGAACTATCTCCTCTCTGCTACTGTTTTCCCA  
 AAGTGGAAATAGCCCAGGGCCTCCACCAGTCGATAAACAGTCCAAGAAGGATTGTGAGAGAACAGTGC  
 CTATCGCTGGACCGTTGTGAAAACAGAGGAGGGAAGCAAGCTCTGGAGCCGCTCCCTCAGGGCATCCAG  
 GAGTCTCTAAACAACCTTCCCTGGGGATTTAGAGGAAGTTGTCAAGATGGAACCTGAAGATGCTACAG  
 AGGAAATCAGTGGATTCTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC230869 representing NM\_001198905  
 Red=Cloning site Green=Tags(s)

MEDLFETFQDEMGSNMEDDGPEEEEERVAEPQANFNTPQALRFEELLANLLNEQHQIAKELFEQLKMKKP  
 SAKOQKEVEKVKPQCKEVHQTLLDPAQRKRLQQMQQHVQLLTQIHLLATCNPNLNPEASSTRICKEL  
 GTFAQSSIALHHQYNPKFQTLFQPCNLGMAMQLIEDFSTHVSIDCSPHKTVKKTANEFCLPKQVWILA  
 TSKVFMYPELLPVCSLKAKNPQDKILFKAEDNKYLLTCKTARQLTVRIKLNLMNRAPDNIKIFYKKTQK  
 LPVLGKCCEEIQPHQWKPPIEREEHRLPFWLKASLPSIQEELRHMADGAREVGNMTGTTEINSDQGLEKD  
 NSELGSETRYPLLLPKGVVLKLPVADRFPPKAWRQKRSSVLKPLLIQPSPLQPSFNPQKTPAQSTHSE  
 APPSKMVLRIHPHIQPATVLTQVPGVPLGVS GGESFSPAALPAMPPEARTSFPLSESQTLTSSAPVVK  
 VMMPSPASSMFRKPYVRRRPSKRRGARAFRCIKPAPVIHPASVIFVTPATTVKIVSLGGGNCMIQPVNAA  
 VAQSPQTIPIATLLVNPTSFPCPLNQPLVASSVSPLIVSGNSVNLPISTPEDKAHMNVDIACAVADGEN  
 AFQGLEPKLEPQEL SPLSATVFPKVEHSPGPPVVKQCCQEGLENSAYRWTVVKTEEGRQALEPLPQGIQ  
 ESLNNSSPGDLEEVVKMEPEDATEEISGFL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001198905

**ORF Size:** 2190 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\\_001198905.1](#), [NP\\_001185834.1](#)

**RefSeq ORF:** 2193 bp

**Locus ID:** 55249

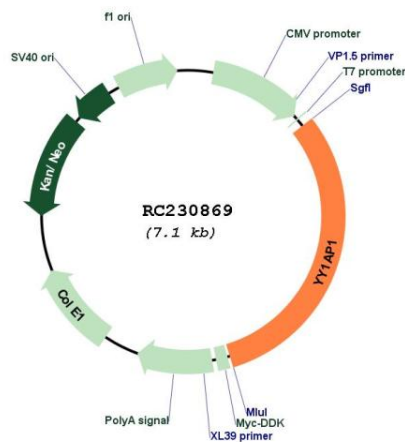
**UniProt ID:** [Q9H869](#)

**Cytogenetics:** 1q22

**MW:** 81.3 kDa

**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]

### Product images:



Circular map for RC230869