

Product datasheet for **RC230866**

YY1AP1 (NM_139121) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	YY1AP1 (NM_139121) 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)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RC230866 representing NM_139121
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAAGATCTGTTTGAACCTTTCCAAGATGAGATGGATTCTCCAACATGGAAGATGATGGCCAGAAG
 AGGAGGAGCGTGTGGCTGAGCCTCAAGCTAACTTTAACACCCCTCAAGCTCTACGTTTGAGGAACACT
 GGCCAACCTACTAAATGAACAACATCAGATAGCGAAGGAAGTATTTGAACAGCTGAAGATGAAGAACT
 TCAGCCAAACAGCAGAAGGAGGTAGAGAAGTTAAACCCAGTGAAGGAAGTTCATCAGACCCTGATTC
 TGGACCCAGCACAAAGGAAGAGACTCCAGCAGCAGATGCAGCAGCATGTTGAGCTTTGACACAAATCCA
 CCTTCTTGCCACCTGCAACCCCAATCTCAATCCGGAGGCCAGTAGCACCAGGATATGTCTTAAAGAGCTG
 GGAACCTTTGCTCAAAGCTCCATCGCCCTTACCATCAGTACAACCCCAAGTTTCAGACCCTGTTCCAAC
 CCTGTAACCTGATGGGAGCTATGCAGCTGATTGAAGACTTCAGCACACATGTCAGCATTGACTGCAGCCC
 TCATAAACTGTCAAGAAGACTGCCAATGAATTTCCCTGTTTGCCAAAGCAAGTGGCTTGGATCCTGGCC
 ACAAGCAAGGTTTTTCATGTATCCAGAGTACTTCCAGTGTGTTCCCTGAAGGCAAAGAATCCCAGGATA
 AGATCCTCTTACCAAGGCTGAGGACAATTTGTTAGCTTTAGGACTGAAGCATTTTGAAGGGACTGAGTT
 TCTTAACCTCTAATCAGCAAGTACCTTCTAACCTGCAAGACTGCCCGCCAACTGACAGTGAGAATCAAG
 AACCTCAACATGAACAGAGCTCCTGACAACATCATTAAATTTTATAAGAAGACCAACAGCTGCCAGTCC
 TAGGAAAATGCTGTGAAGAGATCCAGCCACATCAGTGGAGCCACCTATAGAGAGAGAAGAACACCGGCT
 CCCATTCTGGTTAAAGGCCAGTCTGCCATCCATCCAGGAAGAAGTGGCCACATGGCTGATGGTGTAGA
 GAGGTAGGAAATGACTGGAACCACTGAGATCAACTCAGATCAAGGCCTAGAAAAGACAACACTCAGAGT
 TGGGGAGTGAAACTCGGTACCCACTGCTATTGCCTAAGGGTGTAGTCTGAAACTGAAGCCAGTTGCCGA
 CCGTTTTCCCAAGAAGGCTTGGAGACAGAAGCGTTCATCAGTCCGAAACCCCTCCTTATCCAACCCAGC
 CCCTCTCTCCAGCCAGCTTCAACCTGGGAAAACACCAGCCCAATCAACTCATTAGAAGCCCTCCGA
 GCAAAATGGTGTCCGGATTCTCACCCAAACAGCCAGCCACTGTTTTACAGACAGTTCCAGGTGTCCC
 TCCACTGGGGTTCAGTGGAGGTGAGAGTTTTGAGTCTCCTGCAGCACTGCCTGCTATGCCCCCTGAGGCC
 AGGACAAGCTTCCCTCTGTCTGAGTCCCAGACTTTGCTCTCTTCTGCCCTGTGCCCAAGGTAATGATGC
 CCTCCCCTGCCTTCCATGTTTCGAAAGCCATATGTGAGACGGAGACCCTCAAAAAGAAGGGGAGCCAG
 GGCTTTTCGCTGTATCAAACCTGCCCTGTTATCCACCCTGCATCTGTTATCTTCACTGTTCTGCTACC
 ACTGTGAAGATTGTGAGCCTTGGCGGTGGCTGTAACATGATCCAGCCTGTCAATGCGGCTGTGGCCAGA
 GTCCCCAGACTATCCCATCGCCACCCTCTGGTTAACCTACTTCCCTCCCCTGTCCATTGAACCAGCC
 CCTTGTGGCCTCCTCTGTCTCACCTTAATTGTTTCTGGCAATTCTGTGAATCTTCTATACCATCCACC
 CCTGAAGATAAGGCCACATGAATGTGGACATTGCTTGTGCTGTGGCTGATGGGGAAAATGCCTTTCAGG
 GCCTAGAACCCTAATTAGAGCCCGAGGAAGTATCTCCTCTCTGCTACTGTTTTCCCAAGTGGAAACA
 TAGCCAGGGCTCCACCAGTCGATAAACAGTCCCAAGAGGATTGTGAGAGAACAGTGCCTATCGCTGG
 ACCGTTGTGAAAACAGAGGAGGGAAGCAAGCTCTGGAGCCGCTCCCTCAGGGCATCCAGGAGTCTCTAA
 ACAACTCTTCCCCTGGGATTTAGAGGAAGTTGTCAAGATGGAACCTGAAGATGCTACAGAGGAAATCAG
 TGATTTCTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC230866 representing NM_139121
Red=Cloning site Green=Tags(s)

MEDLFETFQDEMGSNMEDDGPEEEEERVAEPQANFNTPQALRFEELLANLLNEQHQIAKELFEQLKMKKP
 SAKOQKEVEKVKPQCKEVHQTLLDPAQRKRLQQMQQHVQLLTQIHLLATCNPNLNPEASSTRICKEL
 GTFAQSSIALHHQYNPKFQTLFQPCNLMGAMQLIEDFSTHVSIDCSPHKTVKKTANEFPCLPKQVAVILA
 TSKVFMYPELLPVCSLKAKNPQDKILFKAEDNLLALGLKHFEGTEFLNPLISKYLLTCKTARQLTVRIK
 NLNMNRAPDNIKIFYKTKQLPVLGKCCEEIQPHQWKPPIEREEHRLPFWLKASLPSIQEELRHMADGAR
 EVGNMTGTTEINSDQGLEKDNSELGSETRYPLLLPKGVVLKLPVADRFPKKAWRQRSSVLKPLLIQPS
 PSLQPSFNPQKTPAQSTHSEAPPSKMVLRIPHPIQPATVLTQVPGVPLGVSGGESFESPAALPAMPPEA
 RTSFPLSESQTLSSAPVPKVMMPSPASSMFRKPYVRRRPSKRRGARAFRCIKPAPVIHPASVIFTVPAT
 TVKIVSLGGCNMIQPVNAAVAQSPQTIPIATLLVNPTSFPCPLNQPLVASSVSPLIVSGNSVNLPIPST
 PEDKAHMNVDIACAADGENAFQGLEPKLEPQELSPLSATVFPKVEHSPGPPVVDKQCQEGLSENSAYRW
 TVVKTEEGRQALEPLPQGIQESLNNSSPGDLEEVVKMEPEDATEEISGFL

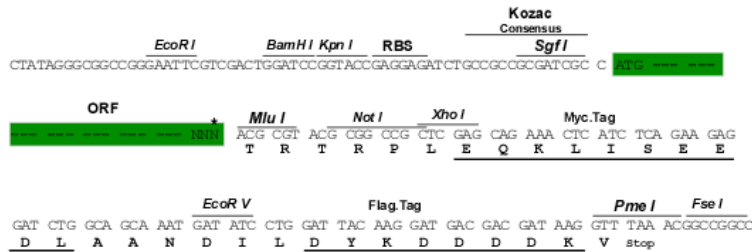
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_139121

ORF Size: 2253 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_139121.1](#), [NM_139121.2](#), [NP_620832.1](#)

RefSeq Size: 2705 bp

RefSeq ORF: 2055 bp

Locus ID: 55249

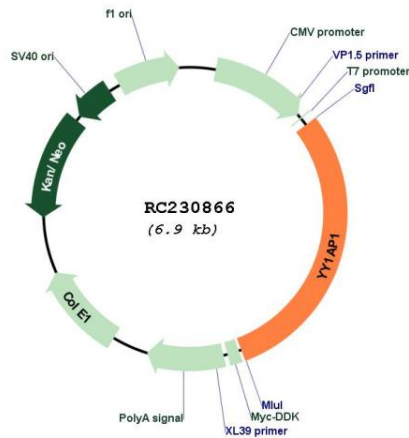
UniProt ID: [Q9H869](#)

Cytogenetics: 1q22

MW: 83.1 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 RC230866