

Product datasheet for **RC233110**

YY1AP1 (NM_001198900) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	YY1AP1 (NM_001198900) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	YY1AP1
Synonyms:	GRNG; HCCA1; HCCA2; YY1AP
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide
Sequence:

>RC233110 representing NM_001198900
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGATTCTCCAACATGGAAGATGATGGCCAGAAGAGGAGGAGCGTGTGGCTGAGCCTCAAGCTAACT
TTAACACCCCTCAAGCTCTACGGTTTGAGGAACTACTGGCCAACCTACTAAATGAACAACATCAGATAGC
GAAGGAACTATTTGAACAGCTGAAGATGAAGAAACCTTCAGCAAACAGCAGAAGGAGGTAGAGAAGGTT
AAACCCAGTGTAAAGGAAGTTCATCAGACCCTGATTCTGGACCCAGCACAAAGGAGAGACTCCAGCAGC
AGATGCAGCAGCATGTTGAGCTCTTGACACAAATCCACCTTCTTGCCACCTGCAACCCCAATCTCAATCC
GGAGGCCAGTAGCACCAGGATATGTCTTAAAGAGCTGGGAACCTTTGCTCAAAGCTCCATCGCCCTTAC
CATCAGTACAACCCCAAGTTTCAGACCCTGTTCCAACCCTGTAACCTTGATGGGAGCTATGCAGCTGATTG
AAGACTTCAGCACACATGTCAGCATTGACTGCAGCCCTCATAAACTGTCAAGAAGACTGCCAATGAATT
TCCCTGTTTGCCAAAGCAAGTGCTTGGATCCTGGCCACAAGCAAGGTTTTTCATGTATCCAGAGTACTT
CCAGTGTGTTCCCTGAAGGCAAAGAATCCCCAGGATAAGATCCTCTTACCAAGGCTGAGGACAATTTGT
TAGCTTTAGGACTGAAGCATTGGAAGGACTGAGTTTCTTAAACCTCTAATCAGCAAGTACCTTCTAAC
CTGCAAGACTGCCCGCAACTGACAGTGAGAATCAAGAACCTCAACATGAACAGAGCTCCTGACAACATC
ATTAATTTTATAAGAAGACCAACAGCTGCCAGTCTTAGGAAAATGCTGTGAAGAGATCCAGCCACATC
AGTGGAAGCCACCTATAGAGAGAGAAGAACCAGGCTCCCATTTCTGGTTAAAGGCCAGTCTGCCATCCAT
CCAGGAAGAACTGCGGCACATGGCTGATGGTGCTAGAGAGGTAGGAAATATGACTGGAACCACTGAGATC
AACTCAGATCAAGGCCTAGAAAAAGACAACCTCAGAGTTGGGAGTGAAACTCGGTACCCACTGCTATTGC
CTAAGGGTGTAGTCTGAAACTGAAGCCAGTTGCCGACCGTTTCCCAAGAAGGCTTGAGACAGAAGCG
TTCATCAGTCTGAAACCCCTCCTTATCCAACCCAGCCCTCTTCCAGCCAGCTTCAACCCTGGGAAA
ACACCAGCCCAACTCAACTCATTGAGAAGCCCTCCGAGCAAAATGGTGCTCCGGATTCTCACCCAATAC
AGCCAGCCACTGTTTTACAGACAGTTCCAGGTGTCCCTCCACTGGGGTCAAGTGGAGGTGAGAGTTTTGA
GTCTCTGAGCACTGCCTGCTATGCCCTGAGGCCAGGACAAGCTTCCCTCTGTCTGAGTCCCAGACT
TTGCTCTCTTCTGCCCTGTGCCAAGGTAATGATGCCCTCCCTGCCTTCTCCATGTTTCGAAAGCCAT
ATGTGAGACGGAGACCCTCAAAAAGAAGGGGAGCCAGGGCCTTTCGCTGTATCAAACCTGCCCTGTTAT
CCACCCTGCATCTGTTATCTTCACTGTTCTGCTACCACTGTGAAGATTGTGAGCCTTGGCGGTGGCTGT
AACATGATCCAGCCTGTCAATGCGGCTGTGGCCAGAGTCCCAGACTATCCCATGCCACCCTCTTGG
TTAACCCTACTTCTTCCCTGTCCATTGAACCCAGCCCTTGTGGCTCCTCTGTCTCACCTTAATTGT
TTCTGGCAATTCTGTGAATCTTCTATACCATCCACCCTGAAGATAAGGCCACATGAATGTGGACATT
GCTTGTGCTGTGGCTGATGGGAAAATGCCTTTCAGGGCCTAGAACCCAAATTAGAGCCCAGGAACTAT
CTCCTCTCTGCTACTGTTTTCCCAAAGTGAACATAGCCAGGGCCTCCACCAGTCGATAAACAGTG
CCAAGAAGGATTGTGAGAGAAGTGCCTATCGCTGGACCGTTGTGAAAACAGAGGAGGGGAAGGCAAGCT
CTGGAGCCGCTCCCTCAGGGCATCCAGGAGTCTTAAACAACCTTCCCCTGGGGATTTAGAGGAAGTTG
TCAAGATGGAACCTGAAGATGCTACAGAGGAAATCAGTGGATTCTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC233110 representing NM_001198900
 Red=Cloning site Green=Tags(s)

MGFSNMEDDGPEEEERVAEPQANFNTPQALRFEELLANLLNEQHQIAKELFEQLKMKKPSAKQOQKEVEKV
 KPQCKEVHQTLLDPAQRKRLQQMQQHVQLLTDIHLATCNPNLNPEASSTRICKELGTFAQSSIALH
 HQYNPKFQTLFQPCNLMGAMQLIEDFSTHVSIDCSPHKTVKKTANEFPCLPKQVAWILATSKVFMYPELL
 PVCSLKAKNPQDKILFKAEDNLLALGLKHFEGTEFLNPLISKYLLTCKTARQLTVRIKLNLMNRAPDNI
 IKFYKKTQQLPVLGKCCEEIQPHQWKPPIEREEHRLPFWLKASLPSIQEELRHMADGAREVGNMTGTTEI
 NSDQGLEKDNSELGSETRYPLLLPKGVVLKLPVADRFPKAWRQKRSSVLKPLLIQPSPLQPSFNPGK
 TPAQSTHSEAPPSKMLRIPHPIQPATVLQTPGVPPPLGVSGGESFESPAALPAMPPEARTSFPLSESQT
 LLSSAPVPKVMMPSPASSMFRKPYVRRRPSKRRGARAFRCIKPAPVIHPASVIFTVPATTVKIVSLGGGC
 NMIQPVNAAVAQSPQTIPIATLLVNPTSFPCPLNQPLVASSVSPLIVSGNSVNLPIPSTPEDKAHMNVDI
 ACAVADGENAFQGLEPKLEPQELSPLSATVFPKVEHSPGPPPVDKQCQEGLSENSAYRWTVVKTEEGRQA
 LEPLPQGIQESLNNSSPGDLEEVVKMEPEDATEEISGFL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

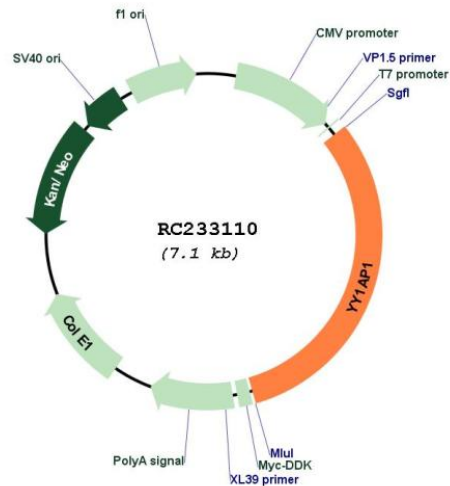
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_001198900

ORF Size: 2217 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_001198900.1](#), [NP_001185829.1](#)

RefSeq Size: 2714 bp

RefSeq ORF: 2220 bp

Locus ID: 55249

UniProt ID: [Q9H869](#)

Cytogenetics: 1q22

MW: 82.2 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]