

Product datasheet for **RC233122**

YY1AP1 (NM_001198902) Human Tagged ORF Clone

Product data:

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

>RC233122 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGAAGATCTGTTTGAACCTTTCCAAGATGAGATGGATTCTCCAACATGGAAGATGATGGCCAGAAG
AGGAGGAGCGTGTGGCTGAGCCTCAAGCTAACTTTAACACCCCTCAAGCTCTACGTTTGAGGAACACT
GGCCAACCTACTAAATGAACAACATCAGATAGCGAAGGAAGTATTTGAACAGCTGAAGATGAAGAAACCT
TCAGCCAAACAGCAGAAGGAGGTAGAGAAGTTAAACCCAGTGAAGGAAGTTCATCAGACCCTGATTC
TGGACCCAGCACAAAGGAAGAGACTCCAGCAGCAGATGCAGCAGCATGTTGAGCTTTGACACAAATCCA
CCTTCTTGCCACCTGCAACCCCAATCTCAATCCGGAGGCCAGTAGCACCAGGATATGTCTTAAAGAGCTG
GGAACCTTTGCTCAAAGCTCCATCGCCCTTACCATCAGTACAACCCCAAGTTTCAGACCCTGTTCCAAC
CCTGTAACCTGATGGGAGCTATGCAGCTGATTGAAGACTTCAGCACACATGTCAGCATTGACTGCAGCCC
TCATAAACTGTCAAGAAGACTGCCAATGAATTTCCCTGTTTGCCAAAGCAAGTGGCTTGGATCCTGGCC
ACAAGCAAGGTTTTTCATGTATCCAGAGTACTTCCAGTGTGTTCCCTGAAGGCAAAGAATCCCCAGGATA
AGATCCTCTTACCAAGGCTGAGGACAATTTGTTAGCTTTAGGACTGAAGCATTTTGAAGGGACTGAGTT
TCTTAACCTCTAATCAGCAAGTACCTTCTAACCTGCAAGACTGCCCGCCAACTGACAGTGAGAATCAAG
AACCTCAACATGAACAGAGCTCCTGACAACATCATTAAATTTTATAAGAAGACCAACAGCTGCCAGTCC
TAGGAAAATGCTGTGAAGAGATCCAGCCACATCAGTGGAGCCACCTATAGAGAGAGAAGAACACCGGCT
CCCATTCTGGTTAAAGGCCAGTCTGCCATCCATCCAGGAAGAAGTGGCCACATGGCTGATGGTGTAGAG
GAGGTAGGAAATGACTGGAACCACTGAGATCAACTCAGATCAAGGCCTAGAAAAGACAACACTCAGAGT
TGGGGAGTGAAACTCGGTACCCACTGCTATTGCCTAAGGGTGTAGTCTGAAACTGAAGCCAGTTGCCGA
CGTTTTCCCAAGAAGGCTTGGAGACAGAAGCGTTCATCAGTCCCTGAAACCCCTCCTTATCCAACCCAGC
CCCTCTCTCCAGCCAGCTTCAACCTGGGAAAACACCAGCCCAATCAACTCATTGAGAAGCCCTCCGA
GCAAAATGGTGTCCGGATTCTCACCCAAACAGCCAGCCACTGTTTTACAGACAGTTCAGGTGTCCC
TCCACTGGGGTTCAGTGGAGGTGAGAGTTTTGAGTCTCCTGCAGCACTGCCTGCTATGCCCCCTGAGGCC
AGGACAAGCTTCCCTCTGTCTGAGTCCCAGACTTTGCTCTCTTCTGCCCTGTGCCCAAGGTAATGATGC
CCTCCCCTGCCTTCTCATGTTTCGAAAGCCATATGTGAGACGGAGACCCTCAAAAAGAAGGGGAGCCAG
GGCCTTTCGCTGTATCAAACCTGCCCTGTTATCCACCCTGCATCTGTTATCTTCACTGTTCTCTGCTACC
ACTGTGAAGATTGTGAGCCTTGGCGGTGGCTGTAAATGATCCAGCCTGTCAATGCGGCTGTGGCCAGA
GTCCCCAGACTATCCCATCGCCACCCTTGGTTAACCTACTTCCCTCCCCTGTCCATTGAACCAGCC
CCTTGTGGCCTCCTCTGTCTCACCTTAATTGTTTCTGGCAATTCTGTGAATCTTCTATACCATCCACC
CCTGAAGATAAGGCCACATGAATGTGGACATTGCTTGTGCTGTGGCTGATGGGGAAAATGCCTTTCAGG
GCCTAGAACCCTAATTAGAGCCCGAGGAAGTATCTCCTCTCTGCTACTGTTTTCCCAAGTGGAAACA
TAGCCAGGGCCTCCACCAGTCGATAAACAGTGCCTAAGAAGGATTGTGAGAGAACAGTGCCTATCGCTGG
ACCGTTGTGAAAACAGAGGAGGGAAGCAAGCTCTGGAGCCGCTCCCTCAGGGCATCCAGGAGTCTCTAA
ACAACCTTCCCCTGGGATTTAGAGGAAGTTGTCAAGATGGAACCTGAAGATGCTACAGAGGAAATCAG
TGGATTTCTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC233122 protein sequence
Red=Cloning site Green=Tags(s)

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MEDLFETFQDEMGSNMEDDGPEEEERVAEPQANFNTPQALRFEELLANLLNEQHQIAKELFEQLKMKKP
SAKQQKEVEKVKPQCKEVHQTLLDPAQRKRLQQMQQHVQLLTQIHLLATCNPNLNPEASSTRICKEL
GTFAQSSIALHHQYNPKFQTLFQPCNLMGAMQLIEDFSTHVSIDCSPHKTVKKTANEFPCLPKQVAWILA
TSKVFMYPELLPVCSLKAKNPQDKILFKAEDNLLALGLKHFEGTEFLNPLISKYLLTCKTARQLTVRIK
NLNMNRAPDNIKFKYKTKQLPVLGKCCEEIQPHQWKPPIEREEHRLPFWLKASLPSIQEELRHMDGAR
EVGNMTGTTEINSDQGLEKDNSELGSETRYPLLLPKGVVLKLPVADRFPKAWRQKRSSVLKPLLIQPS
PSLQPSFNPQKTPAQSTHSEAPPSKMLRIPHPIQPATVLTQVPGVPLGVSGGESFESPAALPAMPEA
RTSFPLSESQTLSSAPVPKVMMPSPASSMFRKPYVRRRPSKRRGARAFRCIKPAPVIHPASVIFTVPAT
TVKIVSLGGCNMIQPVNAAVAQSPQTIPIATLLVNPTSFCPLNQPLVASSVSPLIVSGNSVNLPIPST
PEDKAHMNVDIACAVADGENAFQGLEPKLEPQELSPLSATVFPKVEHSPGPPVVKQCEGLSENSAYRW
TVVKTEEGRQALEPLPQGIQESLNNSSPGDLEEVKMEPEDATEEISGFL
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TRTRPLEQKLISEEDLANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6344_a11.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001198902

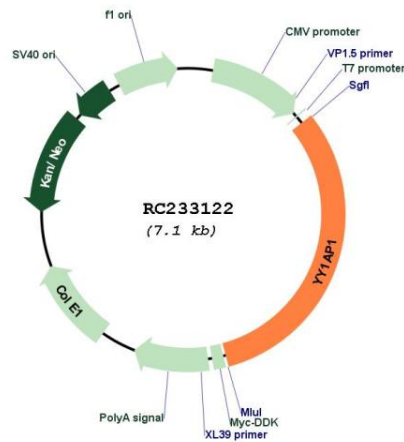
ORF Size: 2250 bp

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:	<ol style="list-style-type: none">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:	<u>NM_001198902.1</u> , <u>NP_001185831.1</u>
RefSeq Size:	2571 bp
RefSeq ORF:	2253 bp
Locus ID:	55249
UniProt ID:	<u>Q9H869</u>
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 RC233122