

Product datasheet for **RG230869**

YY1AP1 (NM_001198905) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	YY1AP1 (NM_001198905) 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:

>RG230869 representing NM_001198905
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAAGATCTGTTTGAACCTTTCCAAGATGAGATGGGATTCTCCAACATGGAAGATGATGGCCAGAAG
 AGGAGGAGCGTGTGGCTGAGCCTCAAGCTAACTTTAACACCCCTCAAGCTCTACGGTTTGAGGAACTACT
 GGCCAACCTACTAAATGAACAACATCAGATAGCGAAGGAACTATTTGAACAGCTGAAGATGAAGAACTT
 TCAGCCAAACAGCAGAAGGAGGTAGAGAAGGTTAAACCCAGTGTAAAGGAGTTCATCAGACCCTGATTC
 TGGACCCAGCACAAAGGAAGAGACTCCAGCAGCAGATGCAGCAGCATGTTGAGCTTTGACACAAATCCA
 CCTTCTTGCCACCTGCAACCCCAATCTCAATCCGGAGGCCAGTAGCACCAGGATATGTCTTAAAGAGCTG
 GGAACCTTTGCTCAAAGCTCCATCGCCCTTACCATCAGTACAACCCCAAGTTTCAGACCCTGTTCCAAC
 CCTGTAACCTGATGGGAGCTATGCAGCTGATTGAAGACTTCAGCACACATGTCAGCATTGACTGCAGCCC
 TCATAAACTGTCAAGAAGACTGCCAATGAATTTCCCTGTTTGCCAAAGCAAGTGGCTTGGATCCTGGCC
 ACAAGCAAGGTTTTCATGTATCCAGAGTACTTCCAGTGTGTTCCCTGAAGGCAAAGAATCCCCAGGATA
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 GAGAATCAAGAACCTCAACATGAACAGAGCTCCTGACAACATCATTAAATTTTATAAGAAGACCAACAG
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 AACTCAGAGTTGGGGAGTGAACCTCGGTACCCACTGCTATTGCCTAAGGGTGTAGTCTGAAACTGAAGC
 CAGTTGCCGACCGTTTCCCAAGAAGGCTTGGAGACAGAAGCGTTCATCAGTCTGAAACCCCTCCTTAT
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 GCCCTCCGAGCAAAATGGTGTCCGGATTCTCACCCAATACAGCCAGCCACTGTTTTACAGACAGTTC
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 CCCTGAGGCCAGGACAAGCTTCCCTCTGTCTGAGTCCCAGACTTTGCTCTCTTCTGCCCTGTGCCAAG
 GTAATGATGCCCTCCCCTGCCTTCCATGTTTCGAAAGCCATATGTGAGACGGAGACCCTCAAAAAGAA
 GGGGAGCCAGGGCCTTTCGCTGTATCAAACCTGCCCTGTTATCCACCCTGCATCTGTTATCTTCACTGT
 TCCTGCTACCACTGTGAAGATTGTGAGCCTTGGCGGTGGCTGTAACATGATCCAGCCTGTCAATGCGGCT
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 TGAACCAGCCCTTGTGGCCTCCTCTGTCTCACCTTAATTGTTTCTGGCAATTCTGTGAATCTTCTAT
 ACCATCCACCCCTGAAGATAAGGCCACATGAATGTGGACATTGCTTGTGCTGTGGCTGATGGGGAAAAT
 GCCTTTCAGGGCCTAGAACCCAAATTAGAGCCCAGGAACTATCTCCTCTCTGCTACTGTTTTCCCA
 AAGTGGAAATAGCCAGGGCCTCCACCAGTCGATAAACAGTGCCAAGAAGGATTGTGAGAGAACAGTGC
 CTATCGCTGGACCGTTGTGAAAACAGAGGAGGGAAGCAAGCTCTGGAGCCGCTCCCTCAGGGCATCCAG
 GAGTCTCTAAACAACCTTCCCCTGGGGATTTAGAGGAAGTTGTCAAGATGGAACCTGAAGATGCTACAG
 AGGAAATCAGTGGATTCTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG230869 representing NM_001198905
Red=Cloning site Green=Tags(s)

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MEDLFETFQDEMGSNMEDDGPEEEERVAEPQANFNTPQALRFEELLANLLNEQHQIAKELFEQLKMKPK
SAKQQKEVEKVKPQCKEVHQTLLDPAQRKRLQQMQQHVQLLTQIHLLATCNPNLNPEASSTRICKEL
GTFAQSSIALHHQYNPKFQTLFQPCNLMGAMQLIEDFSTHVSIDCSPHKTVKKTANEFPCLPKQVAWILA
TSKVFMYPELLPVCSLKAKNPQDKILFKAEDNKYLLTCKTARQLTVRIKLNLMNRAPDNIKIFYKKTQ
LPVLGKCCEEIQPHQWKPIEREEHRLPFWLKASLPSIQEELRHMADGAREVGNMTGTTEINSDQGLEKD
NSELGSETRYPLLLPKGVVLKLPVADRFPKAWRQKRSSVLKPLLIQPSPLQPSFNPBKTPAQSTHSE
APPSKMLRIPHPIQPATVLTQVPGVPLGVS GGESFSPAALPAMPPEARTSFPLSESQTLSSAPVPK
VMMPSPASSMFRKPYVRRRPSKRRGARAFRCIKPAPVIHPASVIFTVPATTVKIVSLGGCNMIQPVNAA
VAQSPQTIPIATLLVNPTSFPCLNQLVASSVSPLIVSGNSVNLPISTPEDKAHMNVDIACAVADGEN
AFQGLEPKLEPQEL SPLSATVFPKVEHSPGPPVVKQCEGLSENSAYRWTVVKTEEGRQALEPLPQIGI
ESLNNSSPGDLEEVVKMEPEDATEEISGFL
    
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



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 Size: 2695 bp

RefSeq ORF: 2193 bp

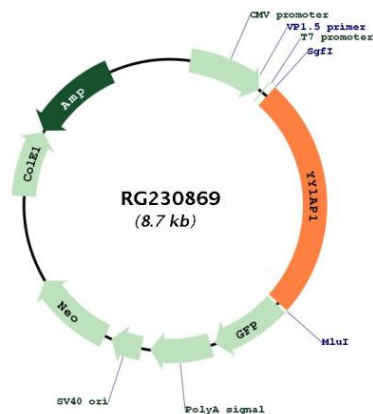
Locus ID: 55249

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]

Product images:



Circular map for RG230869