

## Product datasheet for **RC230949**

### YY1 associated factor 2 (YAF2) (NM\_001190980) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** YY1 associated factor 2 (YAF2) (NM\_001190980) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** YAF2  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC230949 representing NM\_001190980  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGAGACAAGAAGAGCCCCACCAGGCCGAAGCGGCAGCCGAAGCCGTCCTCGGATGAGGGTTACTGGG  
ACTGTAGCGTCTGCACCTCCGGAACAGCGCCGAGGCCTTCAAGTGCATGATGTGCGATGTGCGGAAGGG  
CACCTCCACCCGGGACAGCAAGGAAGGGGGGAAGCTGGTGTCTACTCCACAGCCAGTCTTGGGGTTAGA  
GGAACCCCTGAGAAATAGAGTAGGTGGTGGCAGCTCAGAAGAGAAGAAACAGGCTGAATACCTGGCACCTG  
GAAGAAGAAGGAATATAGTACACAGGGAGTTGGCCAGGACAGAGAAGTGGGCCTAGTTTAAAAGAGGC  
T

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC230949 representing NM\_001190980  
Red=Cloning site Green=Tags(s)

MGDKKSPTRPKRQPKPSSDEGYWDCSVCTFRNSAEAFKCMCDVRKGTSTRDSKEGGKLVSYSTASLGVR  
GTLRNRVGGSSSEKKQAEYLAPGRRRNIIVHRGVGPGQRSGPSLKEA

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI

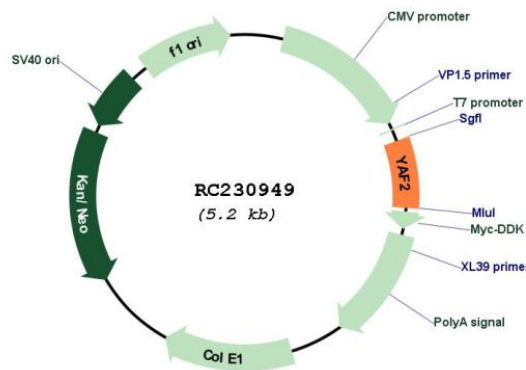


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Cloning Scheme:



Plasmid Map:



ACCN: NM\_001190980

ORF Size: 351 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](#)

|                               |   |
|-------------------------------|---|
| <b>OTI Annotation:</b>        | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.  |
| <b>Components:</b>            | 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).  |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol> |
| <b>RefSeq:</b>                | <a href="#">NM_001190980.2</a>  |
| <b>RefSeq ORF:</b>            | 354 bp  |
| <b>Locus ID:</b>              | 10138   |
| <b>UniProt ID:</b>            | <a href="#">Q8IY57</a>  |
| <b>Cytogenetics:</b>          | 12q12   |
| <b>Protein Families:</b>      | Druggable Genome, Transcription Factors   |
| <b>MW:</b>                    | 13.2 kDa  |
| <b>Gene Summary:</b>          | This gene encodes a zinc finger containing protein that functions in the regulation of transcription. This protein was identified as an interacting partner of transcriptional repressor protein Yy1, and also interacts with other transcriptional regulators, including Myc and Polycomb. This protein can promote proteolysis of Yy1. Multiple alternatively spliced transcript variants have been found. [provided by RefSeq, Feb 2016]   |