

Product datasheet for RG214071

OriGene Technologies, Inc.

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YY1 associated factor 2 (YAF2) (NM_005748) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: YY1 associated factor 2 (YAF2) (NM_005748) Human Tagged ORF Clone

Tag: TurboGFP

Symbol: YAF2

Mammalian Cell Neomycin

Selection:

Vector: pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide >RG214071 representing NM_005748

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

GGTCATCTTCACCCAGAGGAGAAGCCTCATCATTGAATGGAGAATCTCAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG214071 representing NM_005748

Red=Cloning site Green=Tags(s)

MGDKKSPTRPKRQPKPSSDEGYWDCSVCTFRNSAEAFKCMMCDVRKGTSTRKPRPVSQLVAQQVTQQFVP PTQSKKEKKDKVEKEKSEKETTSKKNSHKKTRPRLKNVDRSSAQHLEVTVGDLTVIITDFKEKTKSPPAS

 ${\tt SAASADQHSQSGSSSDNTERGMSRSSSPRGEASSLNGESH}$

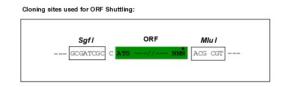
TRTRPLE - GFP Tag - V

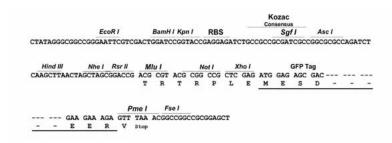
Restriction Sites: Sgfl-Mlul



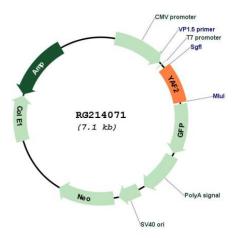


Cloning Scheme:





Plasmid Map:



ACCN: NM_005748

ORF Size: 540 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.

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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: <u>NM 005748.6</u>

RefSeq Size: 4096 bp

RefSeq ORF: 543 bp

Locus ID: 10138

UniProt ID: Q8IY57

Cytogenetics: 12q12

Domains: zf-RanBP

Protein Families: Druggable Genome, Transcription Factors

Gene Summary: 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]