

### Product datasheet for RC214071

#### 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: Myc-DDK

**Symbol:** YY1 associated factor 2

Mammalian Cell

Selection:

Neomycin

Vector:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)

ORF Nucleotide >RC214071 representing NM\_005748

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

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

**GCCGCGATCGCC** 

GGTCATCTTCACCCAGAGGAGAAGCCTCATCATTGAATGGAGAATCTCAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC214071 representing NM\_005748

Red=Cloning site Green=Tags(s)

MGDKKSPTRPKRQPKPSSDEGYWDCSVCTFRNSAEAFKCMMCDVRKGTSTRKPRPVSQLVAQQVTQQFVPPTQSKKEKKDKVEKEKSEKETTSKKNSHKKTRPRLKNVDRSSAQHLEVTVGDLTVIITDFKEKTKSPPAS

SAASADQHSQSGSSSDNTERGMSRSSSPRGEASSLNGESH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: <a href="https://cdn.origene.com/chromatograms/mg3701-e01.zip">https://cdn.origene.com/chromatograms/mg3701-e01.zip</a>

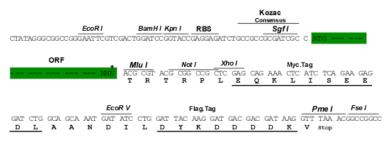
**Restriction Sites:** Sgfl-Mlul





#### **Cloning Scheme:**





<sup>\*</sup> The last codon before the Stop codon of the ORF

**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.

**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 005748.6

 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

**MW:** 19.7 kDa

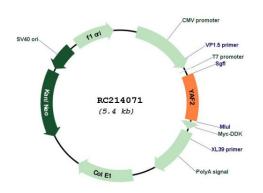
**Gene Summary:** This gene encodes a zinc finger containing protein that functions in the regulation of

transcription. This protein was identified as an interacting partner of transcriptional

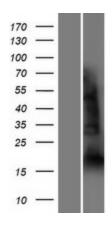
repressor protein Yy1, and also interacts with other transcriptional regulators, including Myc and Polycomb. This protein can promote proteolysis of Yy1. Multiple alternatively spliced

transcript variants have been found. [provided by RefSeq, Feb 2016]

# **Product images:**

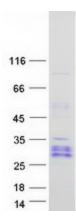


Circular map for RC214071



Western blot validation of overexpression lysate (Cat# [LY417096]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC214071 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).





Coomassie blue staining of purified YAF2 protein (Cat# [TP314071]). The protein was produced from HEK293T cells transfected with YAF2 cDNA clone (Cat# RC214071) using MegaTran 2.0 (Cat# [TT210002]).