

Product datasheet for RC225181

JDP2 (NM 001135049) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: JDP2 (NM_001135049) Human Tagged ORF Clone

Tag: Myc-DDK

Symbol: JDP2

Synonyms: JUNDM2

Vector: pCMV6-Entry (PS100001)

E. coli Selection: Kanamycin (25 ug/mL)

Cell Selection: Neomycin

ORF Nucleotide >RC225181 representing NM_001135049
Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGGTAGCAGGCTGGCCTGCCACTCCTCCTGCTATGATGCCTGGGCAGATCCCGGACCCTTCGGTGACCA CAGGCTCCCTGCCAGGGCTTGGCCCCTGACCGGGCTCCCCAGCTCGGCCCTGACTGTGGAGGAGCTGAA ATACGCTGACATCCGCAACCTCGGGGCCATGATTGCACCCTTGCACTTCCTGGAGGTGAAACTGGGCAAG AGGCCCCAGCCCGTGAAAAGTGAGCTAGATGAGGAAGAGGAGGAAGAAGAAGAACAAGTCGCAGCAGCCCGATGCCGGAACAAGAAGAAGAAGAGGAGCGCAGGAGTTTCTGCAGCGGGAATCCGAGCGGCTGGAACTCATCCTGAACCGAGCAGACTCATCCTGATGCTGAACCGACACCCCCCACCTGCATCGTCCGGACCAGATTCAAGACCCCCGAGTCAGAAG

GCAACCCACTGCTCGAGCAGCTCGAGAAGAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC225181 representing NM_001135049

Red=Cloning site Green=Tags(s)

MVAGWPATPPAMMPGQIPDPSVTTGSLPGLGPLTGLPSSALTVEELKYADIRNLGAMIAPLHFLEVKLGK RPQPVKSELDEEERRKRRREKNKVAAARCRNKKKERTEFLQRESERLELMNAELKTQIEELKQERQQLI

LMLNRHRPTCIVRTDSVKTPESEGNPLLEQLEKK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-Mlul



OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

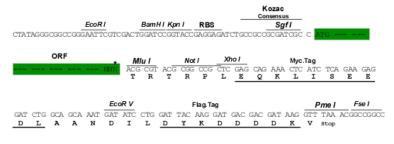
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



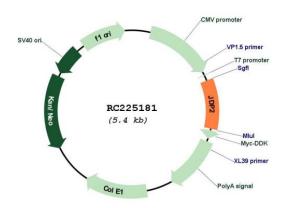
Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001135049

ORF Size: 522 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: NM 001135049.1, NP 001128521.1

 RefSeq Size:
 3960 bp

 RefSeq ORF:
 525 bp

 Locus ID:
 122953

 UniProt ID:
 Q8WYK2

 Cytogenetics:
 14q24.3

Protein Families: Transcription Factors

MW: 19.8 kDa

Gene Summary: Component of the AP-1 transcription factor that represses transactivation mediated by the

Jun family of proteins. Involved in a variety of transcriptional responses associated with AP-1 such as UV-induced apoptosis, cell differentiation, tumorigenesis and antitumogeneris. Can also function as a repressor by recruiting histone deacetylase 3/HDAC3 to the promoter region of JUN. May control transcription via direct regulation of the modification of histones

and the assembly of chromatin.[UniProtKB/Swiss-Prot Function]