

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

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGTAGCAGGCTGGCCTGCCACTCCTCTGCTATGATGCCTGGGAGATCCCGACCCTTCGGTGACCA
CAGGCTCCCTGCCAGGGCTTGGCCCCGTACCGGGCTCCCGAGCTCGGCCCTGACTGTGGAGGAGCTGAA
ATACGCTGACATCCGCAACCTCGGGCCATGATTGCACCTTGCACCTTCTGGAGGTGAAACTGGGCAAG
AGGCCCCAGCCCGTGAAAAGTGAGCTAGATGAGGAAGAGGAGCGAAGGAAAAGGCCCGGGAGAAGAACA
AAGTCGCAGCAGCCCGATGCCGGAACAAGAAGAAGGAGCGCACGGAGTTTCTGCAGCGGGAATCCGAGCG
GCTGGAACCTATGAACGCAGAGCTGAAGACCCAGATTGAGGAGCTGAAGCAGGAGCGGCAGCAGCTCATC
CTGATGCTGAACCGACACCGCCCCACCTGCATCGTCCGGACCGACAGTGTCAAGACCCCCGAGTCAGAAG
GCAACCCACTGCTCGAGCAGCTCGAGAAGAAG

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC225181 representing NM_001135049
Red=Cloning site Green=Tags(s)

MVAGWPATPPAMMPGQIPDPSVTTGSLPGLPLTGLPSSALTVEELKYADIRNLGAMIAPLHFLEVKLGK
RPQPVKSELDEEEERRRRREKNKVAARCRNKKKERTFLQRESERLELMNAELKTQIEELKQERQLI
LMLNRHRPTCIVRTDSVKTPESEGNPLLEQLEKK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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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:	<ol style="list-style-type: none">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_001135049.1</u> , <u>NP_001128521.1</u>
RefSeq Size:	3960 bp
RefSeq ORF:	525 bp
Locus ID:	122953
UniProt ID:	<u>Q8WYK2</u>
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 antitumogenesis. 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]