

Product datasheet for **SC324755**

JDP2 (NM_001135048) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: JDP2 (NM_001135048) Human Untagged Clone
Tag: Tag Free
Symbol: JDP2
Synonyms: JUNDM2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >SC324755 representing NM_001135048.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

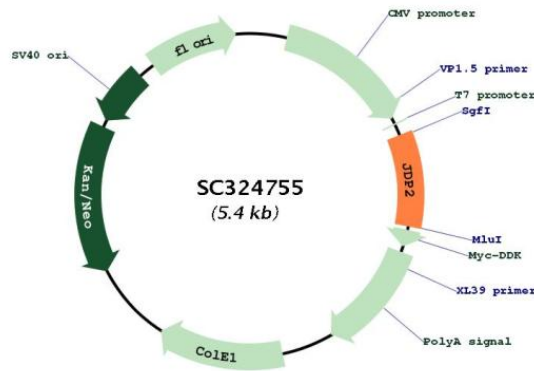
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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGATGCCTGGGCAGATCCCGACCTTCGGTGACCACAGGCTCCCTGCCAGGGCTTGGCCCCCTGACC
GGGCTCCCCAGCTCGGCCCTGACTGTGGAGGAGCTGAAATACGCTGACATCCGCAACCTCGGGCCATG
ATTGCACCCTTGCACTTCTGGAGGTGAACTGGGCAAGAGGCCCCAGCCCGTAAAAAGTGAGCTAGAT
GAGGAAGAGGAGCGAAGGAAAAGCGCCGGGAGAAGAACAAGTCGCAGCAGCCCGATGCCGGAACAAG
AAGAAGGAGCGCACGGAGTTTCTGCAGCGGAATCCGAGCGGCTGGAACCTCATGAACGCAGAGCTGAAG
ACCCAGATTGAGGAGCTGAAGCAGGAGCGGCAGCAGCTCATCCTGATGCTGAACCGACACCGCCCCACC
TGCATCGTCCGGACCGACAGTGTCAAGACCCCGAGTCAGAAGGCAACCCACTGCTCGAGCAGCTCGAG
AAGAAGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
```

Restriction Sites: Sgfl-Mlul



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Plasmid Map:



ACCN: NM_001135048

Insert Size: 492 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001135048.1](#)

RefSeq Size: 3793 bp

RefSeq ORF: 492 bp

Locus ID: 122953

UniProt ID: [Q8WYK2](#)

Cytogenetics: 14q24.3

Protein Families: Transcription Factors

MW: 18.7 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]

Transcript Variant: This variant (3) differs in the 5' UTR compared to variant 1. Variants 1, 2 and 3 encode the same isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The extent of this transcript is supported by transcript alignments.