

Product datasheet for **SC120415**

JDP2 (NM_130469) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	JDP2 (NM_130469) Human Untagged Clone
Tag:	Tag Free
Symbol:	JDP2
Synonyms:	JUNDM2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC120415 sequence for NM_130469 edited (data generated by NextGen Sequencing)

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ATGATGCCTGGGCAGATCCCGGACCCTTCGGTGACCGCAGGCTCCCTGCCAGGGCTTGGC
CCCCTGACCGGGCTCCCCAGCTCGGCCCTGACTGTGGAGGAGCTGAAATACGCTGACATC
CGCAACCTCGGGGCCATGATTGCACCCCTTGCACTTCTTGAGGTGAAACTGGGCAAGAGG
CCCCAGCCCGTAAAAAGTGAGCTAGATGAGGAAGAGGAGCGAAGGAAAAGGCGCCGGGAG
AAGAACAAGTGCAGCAGCCCGATGCCGGAACAAGAAGAAGGAGCGCACGGAGTTTCTG
CAGCGGGAATCCGAGCGGCTGGAACCTCATGAACGCAGAGCTGAAGACCCAGATTGAGGAG
CTGAAGCAGGAGCGGCAGCAGCTCATCCTGATGCTGAACCGACACCGCCACCTGCATC
GTCCGGACCGACAGTGCAAGACCCCGAGTCAGAAGGCAACCCACTGCTCGAGCAGCTC
GAGAAGAAGTGA
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Clone variation with respect to NM_130469.3
37 a=>g



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_130469 unedited GCATTTGTAACCGACTTACTATAGGGCGCCGCGCAATTCGCACCAGGCTGACTGTCTCT CTCTTTTCTGCCACTCCAGGCTGGCCTGCCACTCCTCTGCTATGATGCCTGGGCAGA TCCCGGACCCCTTCGGTGACCGCAGGCTCCCTGCCAGGGCTTGGCCCCCTGACCGGGCTCC CCAGCTCGGCCCTGACTGTGGAGGAGCTGAAATACGCTGACATCCGCAACCTCGGGGCCA TGATTGCACCCTTGCACTTCTGGAGGTGAAACTGGGCAAGAGGCCCCAGCCCGTGAAAA GTGAGCTAGATGAGGAAGAGGAGCGAAGGAAAAGGCCCGGGGAGAAGAACAAGTCGCAG CAGCCCGATGCCGGAACAAGAAGAAGGAGCGCACGGAGTTTCTGCAGCGGAATCCGAGC GGCTGGAACCTCATGAACGCAGAGCTGAAGACCCAGATTGAGGAGCTGAAGCAGGAGCGGC AGCAGCTCATCTGATGTGAACCGACACCGCCACCTGCATCGTCCGGACCGACAGTG TCAAGACCCCGAGTCAGAAGGCAACCCACTGCTCGAGCAGCTCGAGAAGAAGTGACCAT GGGCTGGGAGGAGGTGGAGGAGGGAAGAGGAGAAGGAAAAGTGACGAANAGAGAGGAG GAGGGGGCCCCAGATGGCCCTTCTTTGGTGCATGAAAACTGTANCATGAGGTTGAGC ACAGCCAGCATCAGCCGAGCTTTTTGTGAAACTCAGATCAGCCACCCANGAGGAAGAA GCCGGCTGAGGAAACCCAGAGGNACCAAGACGCTGAGNACAAAAGTTGACCCCTCGGTA AGGNTGTCTGCCTGGGGCCCCACTTGAAGGAGCCAGACAGAGGCCACCGAGGCCAGGAGA CCCCACGAGGCAGCCCTGGCTTCTCTGCTCTTTACAGGCCACTTCCAGAACCTCCG AACGNCCGAAAGCCTGAGTTGCACAN</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_130469 unedited GTCCATCAGNACGGCCGCATCTANGATCGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTA TGTAAGTAAGAGCAATGTTTACTGAGCGATACAGGACTGAGTACTATGAAGGTTTACAA GGATGGAATGCACCCCGCCCCGCCCTGGCCACCCCGACCCAGAGACTACAGTACT TAGGAGTTACACACAACGCCGTAAGTGGTGGCTATCTGTTCATAACAAACAAACCATAG CATATTTATACTGTATCATCGAGTGATTATAGAAATCCATATATATATTGCTTGGATA AAATCTTTTTTTTTGGAAAAATATTAATAAAAAAAAAAAAAAAAAAGGAAAGTGAAAAAC ATGTGCAGTTGAAAGCCCTGCCAGGACAGCCAGTCTGTAACATTCGGTGAGTATGTGCT TTGAAAGGGCGCCCGCCTCATTGCCACAGCAAACCCANCAAGGCTGGCGAAGGTGC GCCCGGCTGCCGCTCCTGGGCAAGGCCGCGTGGACCGAAGGGGGTGGGGGCATCAAGG CCCCGAAAAAGCCCTCTCAGCTTCCCATTAAGGCCAAGGGCAAGGCTGGGGCAAGTG GGTTCAAGTTTCTGAGGTCCATCCCAGCCGCGTTTGGGTGCAACTCAAGGCTTTT CCTGGCTGTTCCGAAGGTCCCCTGGAAGGGGGCCCCCGGGGAAAAAGCCCCAAAAAACCC AGGGCTGGCCTCGTTGGGGGTTTCTGCCCCCGGGGCCCTTGTCTGCCTCCTTAAA GGGGGGCCCCGGCGGGAAAAACCTCCCCAAGGGAACTTTTGGTTCAACGCTTGGCG CCCCCTTGGGTTCCCAAACCCCTCTCCCCCGGAGGGGGGAATG</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_130469
Insert Size:	1750 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).
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_130469.2](#), [NP_569736.1](#)

RefSeq Size: 1724 bp

RefSeq ORF: 492 bp

Locus ID: 122953

UniProt ID: [Q8WYK2](#)

Cytogenetics: 14q24.3

Domains: BRLZ

Protein Families: Transcription Factors

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 represents the longest transcript and encodes the shorter isoform (a). Variants 1, 2 and 3 encode the same isoform. 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.