

## Product datasheet for **MR228228**

### Jdp2 (NM\_001205052) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Jdp2 (NM\_001205052) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Jdp2  
**Synonyms:** Jundm2; Jundp2; TIF  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR228228 representing NM\_001205052  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGATGCCTGGGCAGATCCCAGACCCCTTCAGTGACCGCAGGCTCTCTGCCAGGGCTCGGCCCCCTCACCG  
GACTTCCCAGCTCTGCTCTGACCACAGAGGAGCTGAAATACGCTGACATCCGCAACATTGGGGCGATGAT  
TGCGCCCTTGCACTTCTGGAGGTGAACTGGGCAAGAGGCCCAACCCGTGAAGAGTGAGCTAGACGAG  
GAAGAAGAGCGAAGGAAAAGGCCCGGGAAAAGAACAAGTCGCTGCAGCCAGATGCCGGAACAAGAAGA  
AGGAACGCACGGAGTTCCTGCAGAGGGAGTCAGAGCGGCTGGAGCTCATGAACGCAGAGCTGAAGACGCA  
GATAGAGGAGCTGAAGCTGGAGCGGCAACAGCTTATCCTGATGCTCAACCGCCACCGCCACCTGCATC  
GTGCGCACAGATAGCGTCAGGACGCCCGAGTCCGAAGGCAACCCACTGCTGGAGCAGCTGGACAAGAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR228228 representing NM\_001205052  
**Red=Cloning site Green=Tags(s)**

MMPGQIPDPSVTAGSLPGLGPLTGLPSSALTTEELKYADIRNIGAMIAPLHFLEVKLGKRPQPVKSELDE  
EEERRRRREKNKVAARCRNKKKERTEFLQRESERLELMNAELKTQIEELKLERQQLILMLNRHRPTCI  
VRTDSVRTPESEGNPLLEQLDKK

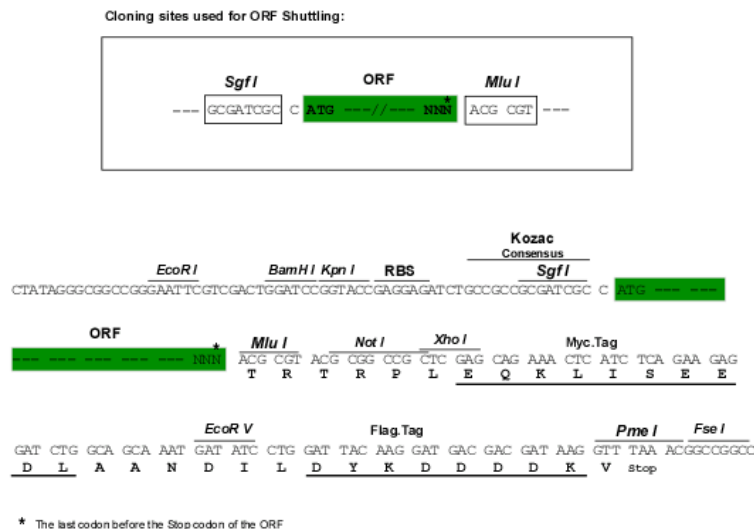
**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI



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## Cloning Scheme:



ACCN: NM\_001205052

ORF Size: 489 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\\_001205052.1](#), [NP\\_001191981.1](#)

RefSeq Size: 1567 bp

RefSeq ORF: 492 bp

Locus ID: 81703

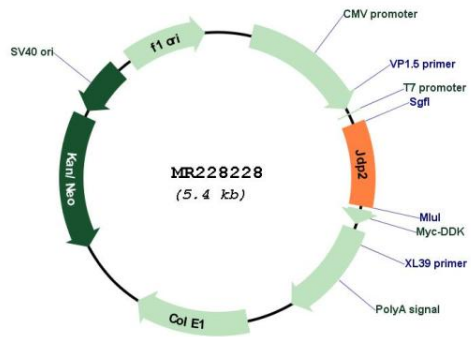
UniProt ID: [P97875](#)

**Cytogenetics:** 12 D2

**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 (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR228228