

## Product datasheet for **RG208618**

### JDP2 (NM\_130469) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** JDP2 (NM\_130469) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** JDP2  
**Synonyms:** JUNDM2  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG208618 representing NM\_130469  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGATGCCTGGCAGATCCCGGACCCCTTCGGTGACCACAGGCTCCCTGCCAGGGCTTGGCCCCCTGACCG  
GGCTCCCCAGCTCGGCCCTGACTGTGGAGGAGCTGAAATACGCTGACATCCGCAACCTCGGGCCATGAT  
TGCACCCCTTGCACTTCTGGAGGTGAACTGGCAAGAGGCCCCAGCCCGTGAAAAGTGAGCTAGATGAG  
GAAGAGGAGCGAAGGAAAAGGCCCGGGAGAAGAACAAGTCGCAGCAGCCCGATGCCGGAACAAGAAGA  
AGGAGCGCACGGAGTTTCTGCAGCGGGAATCCGAGCGGCTGGAAGTCAAGCGCAGAGCTGAAGACCCA  
GATTGAGGAGCTGAAGCAGGAGCGCAGCAGCTCATCCTGATGCTGAACCGACCCGCCACCTGCATC  
GTCCGGACCGACAGTGTCAGACCCCGAGTCAGAAGGCAACCCACTGCTCGAGCAGCTCGAGAAGAAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG208618 representing NM\_130469  
Red=Cloning site Green=Tags(s)

MMPGQIPDPSVTTGSLPGLGPLTGLPSSALTVEELKYADIRNLGAMIAPLHFLEVKLGKRPQPVKSELDE  
EEERRRRRREKNKVAARCRNKKKERTEFLQRESERLELMNAELKTQIEELKQERQQLILMLNRHRPTCI  
VRTDSVKTPSEGNPLLEQLEKK

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** SgfI-MluI



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**Cloning Scheme:**


**ACCN:** NM\_130469

**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\\_130469.3](#)

**RefSeq Size:** 1724 bp

**RefSeq ORF:** 492 bp

**Locus ID:** 122953

**UniProt ID:** [Q8WYK2](#)

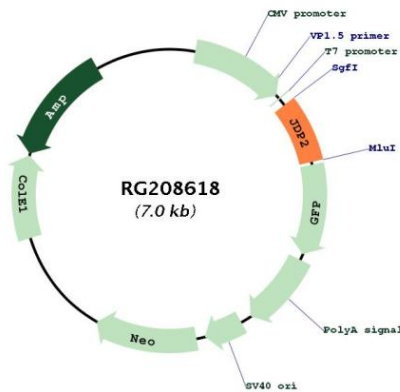
**Cytogenetics:** 14q24.3

**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 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]

**Product images:**



Circular map for RG208618