

Product datasheet for **RG225156**

JDP2 (NM_001135047) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: JDP2 (NM_001135047) 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: >RG225156 representing NM_001135047
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATGCCTGGCAGATCCCGGACCCCTTCGGTGACCACAGGCTCCCTGCCAGGGCTTGGCCCCCTGACCG
GGCTCCCCAGCTCGGCCCTGACTGTGGAGGAGCTGAAATACGCTGACATCCGCAACCTCGGGCCATGAT
TGCACCCCTTCACTTCTGGAGGTGAACTGGCAAGAGGCCCCAGCCCGTGAAAAGTGAGCTAGATGAG
GAAGAGGAGCGAAGGAAAAGGCCCGGGAGAAGAACAAGTGCAGCAGCCCGATGCCGGAACAAGAAGA
AGGAGCGCACGGAGTTTCTGCAGCGGGAATCCGAGCGGCTGGAAGTCAATGAACGCAGAGCTGAAGACCCA
GATTGAGGAGCTGAAGCAGGAGCGCAGCAGCTCATCCTGATGCTGAACCGACACCGCCCACTGCATC
GTCCGGACCGACAGTGTCAGACCCCGAGTCAGAAGGCAACCCACTGCTCGAGCAGCTCGAGAAGAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG225156 representing NM_001135047
 Red=Cloning site Green=Tags(s)

MMPGQIPDPSVTTGSLPGLGPLTGLPSSALTVEELKYADIRNLGAMIAPLHFLEVKLGKRPQPVKSELDE
EEERRRRREKNKVAARCRNKKKERTEFLQRESERLELMNAELKTQIEELKQERQQLILMLNRHRPTCI
VRTDSVKTPSEGNPLLEQLEKK

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

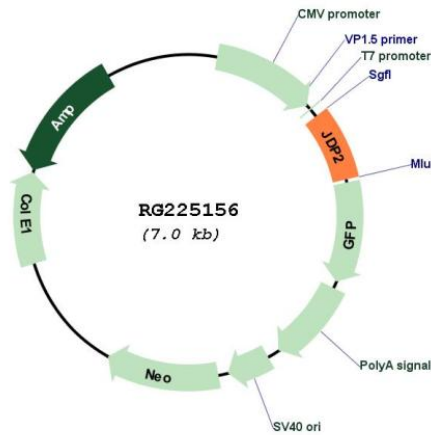


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001135047

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:	<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_001135047.2</u>
RefSeq Size:	3801 bp
RefSeq ORF:	492 bp
Locus ID:	122953
UniProt ID:	<u>Q8WYK2</u>
Cytogenetics:	14q24.3
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]