

Product datasheet for **RG203595**

JUNB (NM_002229) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	JUNB (NM_002229) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	JUNB
Synonyms:	AP-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG203595 representing NM_002229 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGCACTAAAATGGAACAGCCCTTCTACCACGACGACTCATACACAGCTACGGGATACGGCCGGGCC
CTGGTGGCCTCTCTACACGACTACAACTCCTGAAACCGAGCCTGGCGGTCAACTGGCCGACCCTA
CCGGAGTCTCAAAGCGCCTGGGGCTCGCGGACCCGGCCAGAGGGCGCGGTGGCGGCAGCTACTTTCT
GGTCAGGGCTCGGACACCGCGCGTCTCTCAAGCTCGCCTCTTCGGAGCTGGAACGCCTGATTGTCCCA
ACAGCAACGGCGTGATCACGACGACGCCTACACCCCGGGACAGTACTTTTACCCCGCGGGGGTGGCAG
CGGTGGAGGTGCAGGGGCGCGGGGGCGCGTCAACGAGGAGCAGGAGGGCTTCGCCGACGGCTTTGTC
AAAGCCCTGGACGATCTGCACAAGATGAACCACGTGACACCCCAACGTGTCCCTGGGCGTACCGGGG
GGCCCCGGCTGGGCCCGGGGGCGTCTACGCCGGCCCGGAGCCACCTCCCGTTTACACCAACCTCAGCAG
CTACTCCCAGCCTCTGCGTCTCGGGAGGCGCGGGGCTGCCGTGGGACCGGGAGCTCGTACCCGACG
ACCACATCAGCTACCTCCACACGCGCCGCCCTTCGCCGTGGCCACCCGGCGCAGCTGGGCTTGGGCC
GCGGCGCCTCCACCTTCAAGGAGGAACCGCAGACCGTCCCGGAGGCGCGCAGCCGGGACGCCACGCCCC
GGTGTCCCCATCAACATGGAAGACCAAGAGCGCATCAAAGTGGAGCGCAAGCGGCTGCGGAACCGGCTG
CGGCCACCAAGTCCGGAAGCGGAAGCTGGAGCGCATCGCGCCTGGAGGACAAGGTGAAGACGCTCA
AGGCCGAGAACCGGGGCTGTGAGTACCGCGGCCCTCCTCCGGAGCAGGTGGCCAGCTCAAACAGAA
GGTCATGACCCACGTCAGCAACGGCTGTACGCTGCTGTTGGGGTCAAGGACACGCCTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG203595 representing NM_002229
 Red=Cloning site Green=Tags(s)

MCTKMEQPFYHDDSYTATGYGRAPGGLSLHDYKLLKPSLAVNLADPYRSLKAPGARGPGPEGGGGGSYFS
 GQGSDTGASLKLASSELERLIVPNSNGVITTTPTPPGQYFYPRGGGSGGGAGGGGGVTEEQEGFADGFV
 KALDDLHKMNHVTPPNVSLGATGGPPAGPGGVYAGPEPPPYYTNLSSYSPASASSGGAGA AVGTGSSYPT
 TTISYLPHAPPFAGGHPAQLGLGRGASTFKEEPQTVPEARSRDATPPVSPINMEDQERIKVERKRLNRNL
 AATKCRKRKLERIARLEDKVKTLKAENAGLSSTAGLLREQVAQLKQKVMTHVSNQCQLLLGVKGHAF

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_002229

ORF Size: 1041 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_002229.2](#), [NP_002220.1](#)

RefSeq Size: 1832 bp

RefSeq ORF: 1044 bp

Locus ID: 3726

UniProt ID: [P17275](#)

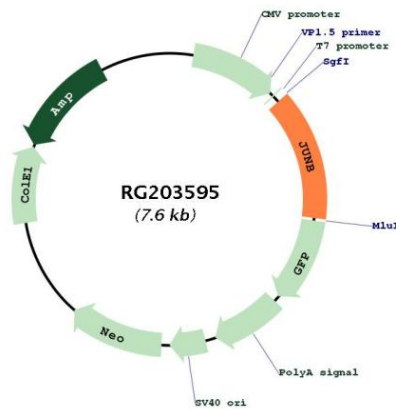
Cytogenetics: 19p13.13

Domains: BRLZ, Jun

Protein Families: Druggable Genome, Transcription Factors

Gene Summary: Transcription factor involved in regulating gene activity following the primary growth factor response. Binds to the DNA sequence 5'-TGA[CG]TCA-3'. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG203595