

Product datasheet for RC203595

JUNB (NM_002229) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	JUNB (NM_002229) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	JUNB
Synonyms:	AP-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC203595 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGCACTAAAATGGAACAGCCCTTCTACCACGACGACTCATACACAGCTACGGGATACGGCCGGGCC
CTGGTGGCCTCTCTACACGACTACAACTCCTGAAACCGAGCCTGGCGGTCAACTGGCCGACCCTA
CCGGAGTCTCAAAGCGCCTGGGGCTCGCGGACCCGGCCAGAGGGCGCGGTGGCGGCAGCTACTTTCT
GGTCAGGGCTCGGACACCGCGCGTCTCTCAAGCTCGCCTCTTCGGAGCTGGAACGCCTGATTGTCCCA
ACAGCAACGGCGTGATCACGACGACGCCTACACCCCGGGACAGTACTTTTACCCCGCGGGGGTGGCAG
CGGTGGAGGTGCAGGGGCGCGGGGGCGCGTCAACGAGGAGCAGGAGGGCTTCGCCGACGGCTTTGTC
AAAGCCCTGGACGATCTGCACAAGATGAACCACGTGACACCCCAACGTGTCCCTGGGCGTACCGGGG
GGCCCCGGCTGGGCCGGGGGGCTCTACGCCGGCCGGAGCCACCTCCCGTTTACACCAACCTCAGCAG
CTACTCCCAGCCTCTGCGTCTCGGGAGGCGCGGGGCTGCCGTGGGACCGGGAGCTCGTACCCGACG
ACCACATCAGCTACCTCCACACGCGCCGCCCTTCGCCGTGGCCACCCGGCGCAGCTGGGCTTGGGCC
GCGGCGCCTCCACCTTCAAGGAGGAACCGCAGACCGTCCCGGAGGCGCGCAGCCGGGACGCCACGCCG
GGTGTCCCCATCAACATGGAAGACCAAGAGCGCATCAAAGTGGAGCGCAAGCGGCTGCGGAACCGGCTG
CGGCCACCAAGTCCGGAAGCGGAAGCTGGAGCGCATCGCGCCTGGAGGACAAGGTGAAGACGCTCA
AGGCCGAGAACCGGGGCTGTGAGTACCGCGGCTCCTCCGGGAGCAGGTGGCCAGCTCAAACAGAA
GGTCATGACCCACGTCAGCAACGGCTGTGAGTGTGCTTGGGGTCAAGGACACGCCTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC203595 protein sequence
 Red=Cloning site Green=Tags(s)

MCTKMEQPFYHDDSYTATGYGRAPGGLSLHDYKLLKPSLAVNLADPYRSLKAPGARGPGPEGGGGGSYFS
 GQGSDTGASLKLASSELERLIVPNSNGVITTTPTPPGQYFYPRGGGSGGGAGGGGGVTEEQEGFADGFV
 KALDDLHKMNHVTPPNVSLGATGGPPAGPGGVYAGPEPPPYYTNLSSYSPASASSGGAGA AVGTGSSYPT
 TTISYLPHAPPFAGGHPAQLGLGRGASTFKEEPQTVPEARSRDATPPVSPINMEDQERIKVERKRLRNRL
 AATKCRKRKLERIARLEDKVKTLKAENAGLSSTAGLLREQVAQLKQKVMTHVSNQCQLLLGVKGHAF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

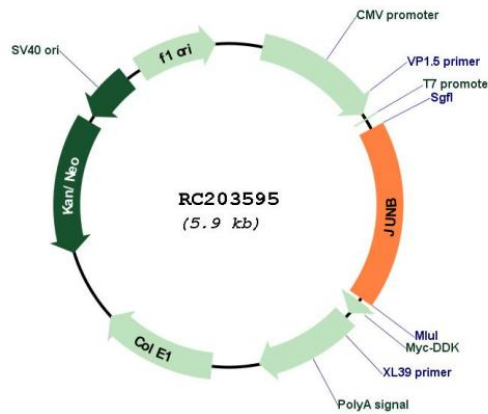
Chromatograms: https://cdn.origene.com/chromatograms/mk6216_f05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



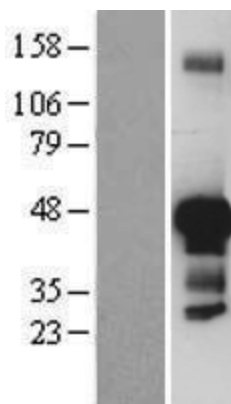
Plasmid Map:



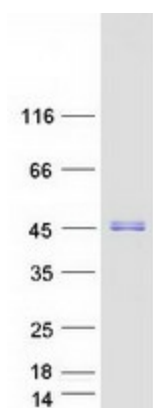
ACCN: NM_002229

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:	<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:	NM_002229.3
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
MW:	35.9 kDa
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:



Western blot validation of overexpression lysate (Cat# [LY419421]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203595 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified JUNB protein (Cat# [TP303595]). The protein was produced from HEK293T cells transfected with JUNB cDNA clone (Cat# RC203595) using MegaTran 2.0 (Cat# [TT210002]).