

Product datasheet for RC237324

JUND (NM_001286968) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	JUND (NM_001286968) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	JUND
Synonyms:	AP-1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC237324 representing NM_001286968 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGATGAAGAAGGACGCGCTGACGCTGAGCCTGAGTGAGCAGGTGGCGGCAGCGCTCAAGCCTGCGGCCG
CGCCGCTCTACCCCTGCGCGCCGACGGCGCCCGCCAGCGCGCACCCCGACGGCTGCTCGCCTC
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GCAACCGCATCGCCGCTCCAAGTGCCGCAAGCGCAAGCTGGAGCGCATCTCGCGCTGGAAGAGAAAGT
GAAGACCTCAAGAGTCAGAACACGGAGCTGGCGTCCACGGCGAGCCTGCTGCGCGAGCAGGTGGCGCAG
CTCAAGCAGAAAAGTCTCAGCCACGTCAACAGCGGCTGCCAGCTGCTGCCCCAGCACAGGTGCCCGCT
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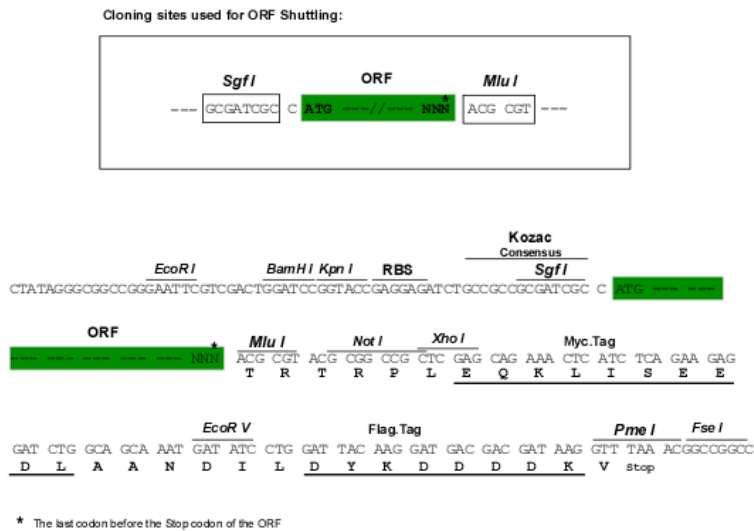
Protein Sequence: >RC237324 representing NM_001286968
 Red=Cloning site Green=Tags(s)

MMKKDAL T L S L S E Q V A A A L K P A A A P P T P L R A D G A P S A A P P D G L L A S P D L G L L K L A S P E L E R L I I Q S N G L
 V T T T P T S S Q F L Y P K V A A S E E Q E F A E G F V K A L E D L H K Q N Q L G A G A A A A A A A A A A G G P S G T A T G S A P P G E L A
 P A A A A P E A P V Y A N L S S Y A G G A G G A A T V A F A A E P V P F P P P P P P G A L G P P R L A A L K D E P Q T V P D V P S F G
 E S P P L S P I D M D T Q E R I K A E R K R L R N R I A A S K C R K R K L E R I S R L E E K V K T L K S Q N T E L A S T A S L L R E Q V A Q
 L K Q K V L S H V N S G C Q L L P Q H V P A Y

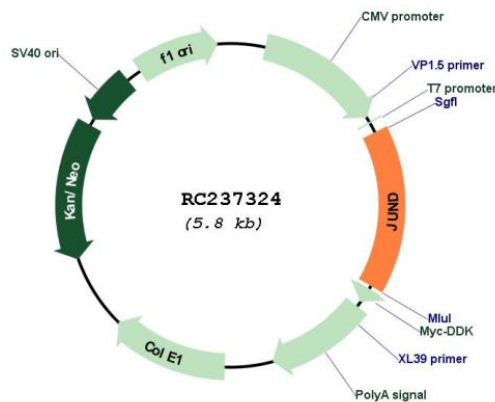
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001286968

ORF Size: 912 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_001286968.2
RefSeq Size:	1963 bp
RefSeq ORF:	915 bp
Locus ID:	3727
UniProt ID:	P17535
Cytogenetics:	19p13.11
Protein Families:	Druggable Genome, Transcription Factors
Protein Pathways:	MAPK signaling pathway
MW:	31.7 kDa
Gene Summary:	The protein encoded by this intronless gene is a member of the JUN family, and a functional component of the AP1 transcription factor complex. This protein has been proposed to protect cells from p53-dependent senescence and apoptosis. Alternative translation initiation site usage results in the production of different isoforms (PMID:12105216). [provided by RefSeq, Nov 2013]