

Product datasheet for **RR216269**

Jund (NM_001286966) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Jund (NM_001286966) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Jund
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR216269 representing NM_001286966
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGCTGAAGAAAGACGCGTGCAGCTCAGCCTGGCGGAGCAGGGAGCGGGGATTGAAACCAGGGTCGG
CCACTGCACCTTCTGCATTGCGCCCCGACGGCGCCCCGACGGGCTGCTGGCTTCGCCGGATCTTGGGCT
GCTCAAACCTCGCGTCGCCGGAGCTGAAAGGCTGATCATCCAGTCCAACGGGCTGGTGACCACACCCCG
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GCCCCCGCGCCCGGACCTGGCAGCCACCCCGGGGCCACGGAGACCCGGTCTACGCCAACCTGAGC
AGTTTCGCGGGTGGCGCCGGCCCCCTGGGGCGCGGCCACAGTGGCCTTCGCCGCGGAGCCAGTGCCT
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CGAGCCGAGACCGTGGCGGACGTGCCGAGCTTCGGCGACAGCCCTCCACTGTGCCCATCGACATGGAC
ACGCAGGAACGCATCAAGGCGGAGCGCAAGAGGCTGCGCAACCGCATCGCCGCTTCCAAATGCCGAAGC
GCAAGCTGGAGCGTATCTCGCGCTGGAGGAGAAAGTCAAGACCCTCAAAGCCAGAACACCGAGCTGGC
GTCCACCGGAGCCTGCTGCGCGAGCAGGTGGCGCAGCTCAAACAGAAAGTCTCAGCCAGTCAACAGC
GGTCCAGCTGCTGCCAGCACCAGGTCGCCGCTAT

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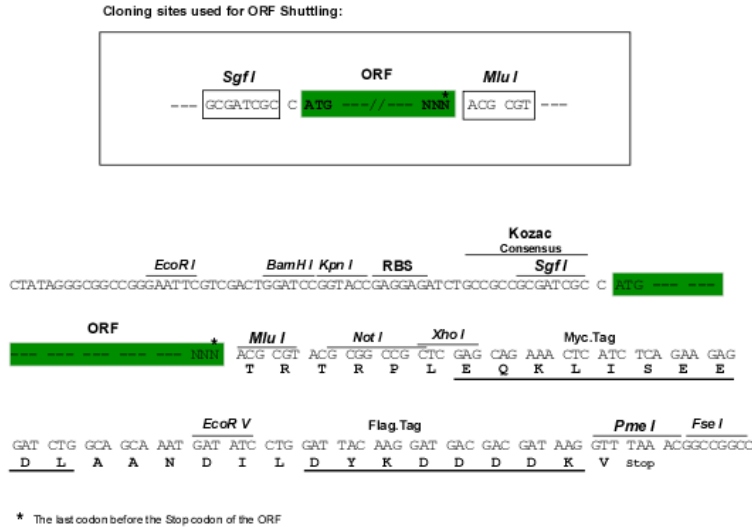
Protein Sequence: >RR216269 representing NM_001286966
 Red=Cloning site Green=Tags(s)

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

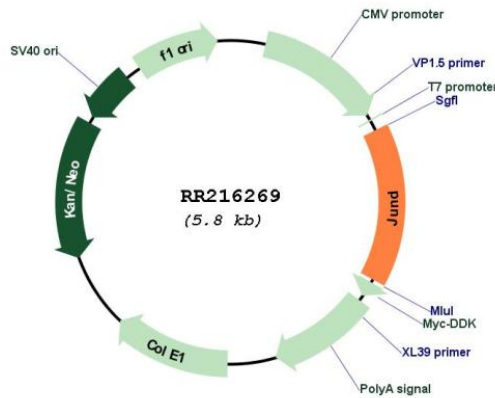
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001286966

ORF Size:	879 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_001286966.1 , NP_001273895.1
RefSeq Size:	1703 bp
RefSeq ORF:	882 bp
Locus ID:	24518
UniProt ID:	P52909
Cytogenetics:	16p14
MW:	30.5 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]