

Product datasheet for **RR203684**

Jund (NM_138875) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Jund (NM_138875) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Jund
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR203684 representing NM_138875 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAACGCCCTTCTATGGCGAGGAGGCGCTGAGCGGCCTGGCTGCGGGTGCCTCGAGCGTCGCTGGTG
CTGCTGGGGCCCCCGCGGGTGGTGGCTTCGCGCCCCGGGCCGCGCTTCCCCGGGGCGCCCCAACGAG
CAGCATGCTGAAGAAAGACGCGCTGACGCTCAGCCTGGCGGAGCAGGGAGCGGGGATTGAAACCAGGG
TCGGCCACTGCACCTTCTGCATTGCGCCCCGACGGCGCCCCGACGGGCTGCTGGCTTCGCCGGATCTTG
GGCTGCTCAAACCTCGCGTCGCCGAGCTGGAAAGGCTGATCATCCAGTCCAACGGGCTGGTGACCAACC
CCCGACCAGTACGAGTTCCTCTACCCTAAGGTGGCGGCCAGCGAGGAGCAGGAGTTCGCCGAAGGCTTC
GTCAAGGCCTGGAGGACCTGCACAAGCAGAGCCAGCTGGGTGCGGCCACCGCGGCCACCTCAGGGGCTC
CCGCGCCCCCGCGCCCGGACCTGGCAGCACCCCCGGGGCCACGGAGACCCCGGTCTACGCCAACCT
GAGCAGTTTCGCGGGTGGCGCCGGGCCCTGGGGCGCGGCCACAGTGGCCTTCGCCCGGAGCCAGTG
CCCTTCCCGCGCCCCGGGCGCGCTGGGGCCCGCCACCTCCGCATCCACCGCTGCGCCGCGCTCA
AGGACGAGCCGACAGCCGTGCCGAGCTGCCGAGCTTCGGCGACAGCCCTCCACTGTCGCCATCGACAT
GGACACGCAGGAACGCATCAAGGCGGAGCGCAAGAGGCTGCGCAACCGCATCGCCGTTCCAATGCCGC
AAGCGCAAGCTGGAGCGTATCTCGCCCTGGAGGAGAAAGTCAAGACCCTCAAAGCCAGAACACCGAGC
TGGCGTCCACCGGAGCCTGCTGCGCGAGCAGGTGGCGCAGCTCAAACAGAAAGTCTCAGCCACGTC
CAGCGGCTGCCAGCTGCTGCCCCAGCACCAAGTCCCCGCGTAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR203684 representing NM_138875
 Red=Cloning site Green=Tags(s)

METPFYGEELSGLAAGASSVAGAAGAPGGGGFAPPGRAFFGAPPTSSMLKDAL T LSLAEQGAAGLKPG
 SATAPLSALRPDGPDLGLLSPDLGLLKLASPELERLIIQSNGLVTTTPTSTQFLYPKVAASEEQEFAEGF
 VKALEDLHKQSQLGAATAATSGAPAPPADLAATPGATETPVYANLSSFAGGAGPPGGAATVFAAEPEV
 PFPPPPGALGPPPPPHPPRLAALKDEPQTVDPVPSFGDSPPLSPIDMDTQERIKAEKRLRNRIAASKCR
 KRKLERISRLEEKVKTLKSNQTELASTASLLREQVAQLKQKVLSHVNSGCQLLPQHVPAY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_138875

ORF Size: 1023 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_138875.4](#), [NP_620230.1](#)

RefSeq Size: 1703 bp

RefSeq ORF: 1026 bp

Locus ID: 24518

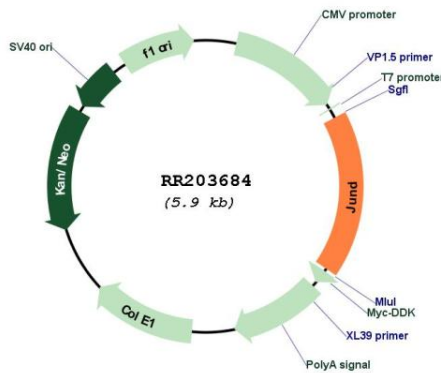
UniProt ID: [P52909](#)

Cytogenetics: 16p14

MW: 34.9 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]

Product images:



Circular map for RR203684