

## Product datasheet for **RG237324**

### JUND (NM\_001286968) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	JUND (NM_001286968) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	JUND
Synonyms:	AP-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237324 representing NM_001286968. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC CGGATCGCC
ATGATGAAGAAGGACGCGCTGACGCTGAGCCTGAGTGAGCAGGTGGCGGCAGCGCTCAAGCCTGCGGCC
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TTCGCCGAGGGCTTCGTAAGGCCCTGGAGATTTACACAAGCAGAACCAGCTCGGCGCGGGCGCGGCC
GCTGCCCGCGCCGCCGCCCGGGGGCCCTCGGGCACGGCCACGGGCTCCGCGCCCCCGGCGAG
CTGGCCCCGCGCGGCCGCGCCGAAGCGCTGTCTACGGAACCTGAGCAGTACGCGGGCGGGGCC
GGGGCGCGGGGGCGCCGCGACGGTCCGCTTCGCTGCCGAACCTGTGCCCTTCCCGCCGCCACCC
CCAGGCGCGTTGGGGCCCGCGCTGGCTGCGCTCAAGGACGAGCCACAGACGGTGCCGACGTGCCG
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GAAGAGAAAGTGAAGACCCTCAAGAGTCAGAACACGGAGCTGGCGTCCACGGCGAGCCTGCTGCGCGAG
CAGGTGGCGCAGCTCAAGCAGAAAGTCTCAGCCACGTCAACAGCGGCTGCCAGTGTGCCACAGCAC
CAGGTGCCCGGTAC
ACGCGTACGCGCCGCTCGAG - GFP Tag - GTTTAAAC
```



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**Protein Sequence:** >Peptide sequence encoded by RG237324  
 Blue=ORF Red=Cloning site Green=Tag(s)

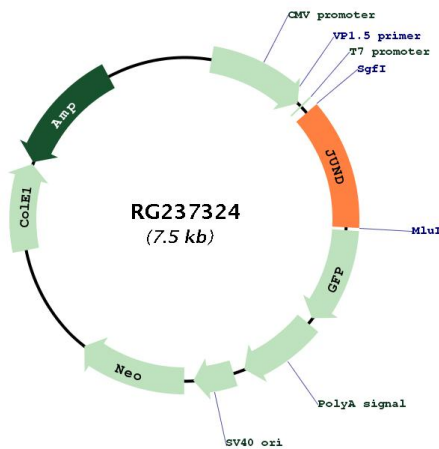
MMKDAL T L S L S E Q V A A A L K P A A A P P T P L R A D G A P S A A P P D G L L A S P D L G L L K L A S P E L E R L I I Q S N G  
 L V T T T P T S S Q F L Y P K V A A S E E Q E F A E G F V K A E D L H K Q N Q L G A G A A A A A A A A A G G P S G T A T G S A P P G E  
 L A P A A A A P E A P V Y A N L S S Y A G G A G G A A T V A F A A E P V 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 Q V P A Y  
**TR**TRPLEME SDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV  
 MGYGFYHFGTYPSTYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP  
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMFKSAIHPSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001286968

<b>ORF Size:</b>	912 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>RefSeq:</b>	<a href="#">NM_001286968.2</a>
<b>RefSeq Size:</b>	1963 bp
<b>RefSeq ORF:</b>	915 bp
<b>Locus ID:</b>	3727
<b>UniProt ID:</b>	<a href="#">P17535</a>
<b>Cytogenetics:</b>	19p13.11
<b>Protein Families:</b>	Druggable Genome, Transcription Factors
<b>Protein Pathways:</b>	MAPK signaling pathway
<b>MW:</b>	31.7 kDa
<b>Gene Summary:</b>	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]