

Product datasheet for **RG216958**

JUND (NM_005354) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	JUND (NM_005354) 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:	>RG216958 representing NM_005354 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAAACACCCTTCTACGGCGATGAGGCGCTGAGCGCCTGGGCGGCGGCCAGTGGCAGCGGGCA
CGTTCGCGTCCCGGGCCGCTTGTCCCGGGCGCCCCGACGGCCGCGCCGGCAGCATGATGAAGAA
GGACGCGCTGACGCTGAGCCTGAGTGAGCAGGTGGCGGCAGCGCTCAAGCCTGCGCCCGCCCGCTCC
TACCCCTGCGCCGACGGCGCCCCAGCGCGCACCCCCGACGGCCTGCTCGCTCTCCCGACTGG
GGCTGCTGAAGCTGGCCTCCCGGAGCTCGAGCGCCTCATCATCCAGTCCAACGGGCTGGTACCACCAC
GCCGACGAGCTCACAGTTCCTCTACCCCAAGGTGGCGGCCAGCGAGGAGCAGGAGTTCGCCGAGGGCTTC
GTCAAGGCCCTGGAGGATTTACACAAGCAGAACCAGCTCGGCGCGGGCCGGGCGCTGCCCGCCGCCCG
CCGCCCGGGGGGCCCTCGGGCACGGCCACGGGCTCCGCGCCCCCGGGGAGCTGGCCCCGGCGCGGC
CGCGCCGAAGCGCTGTCTACGCGAACCTGAGCAGCTACGCGGGCGGCGCCGGGGGCGCGGGGGCGCC
GCGACGGTCGCTTCGCTGCCGAACCTGTGCCCTCCCGCCGCCACCCCAAGCGCGTTGGGGCCG
CGCGCTGGCTGCGCTCAAGGACGAGCCACAGACGGTGCCCGACGTGCCGAGCTTCGGCGAGAGCCCGCC
GTTGTGCGCCATCGACATGGACACGAGGAGCGCATCAAGGCGGAGCGCAAGCGGCTGCCAACCCTCA
GCCGCTCAAGTGCCGCAAGCGCAAGCTGGAGCGCATCTCGCGCTGGAAGAGAAAGTGAAGACCCTCA
AGAGTCAGAACACGGAGCTGGCGTCCACGGCGAGCCTGCTGCGCGAGCAGGTGGCGCAGCTCAAGCAGAA
AGTCTCAGCCACGTCAACAGCGGCTGCCAGCTGCTGCCAGCACAGGTCCCGCGTAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG216958 representing NM_005354
Red=Cloning site Green=Tags(s)

METPFYGDEALSGLGGGASGSGGTFASPGR L FPGAPPTAAAGSMMKDAL T L S L S E Q V A A A L K P A P A P A S
 Y P P A 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 R 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 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 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

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_005354

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:

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_005354.2](#), [NP_005345.2](#)

RefSeq Size: 1891 bp

RefSeq ORF: 1044 bp

Locus ID: 3727

UniProt ID: [P17535](#)

Cytogenetics: 19p13.11

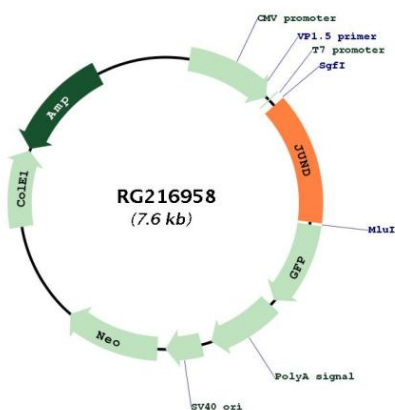
Domains: BRLZ, Jun

Protein Families: Druggable Genome, Transcription Factors

Protein Pathways: MAPK signaling pathway

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 RG216958