

## Product datasheet for MR205123

### Jund (NM\_010592) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Jund (NM_010592) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Jund
Synonyms:	Jund1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205123 representing NM_010592 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAACGCCCTTCTATGGCGAGGAGGCGCTGAGCGCCTGGCTGCGGGTGCCTCGAGCGTCTGGTG  
CTACTGGGGCCCCCGCGGTGGTGGCTTCGCGCCCCGGGCGCGCTTCCCGGGGCGCCCCGACGAG  
CAGCATGCTGAAGAAAGACGCGCTGACGCTCAGCCTGGCGGAGCAGGGAGCGGGGATTGAAACCAGGG  
TCGGCCACTGCACCTTCTGCGCTGCGCCCCGACGGCGCCCCGACGGGCTGCTGGCTTCGCCGGATCTTG  
GGCTGCTCAAACTCGCGTCGCCGAGCTGGAGAGGCTGATCATCCAGTCCAACGGGCTGGTGACACTAC  
CCCGACCACTACGAGTTCTCTACCCGAAGGTGGCAGCTAGCGAGGAGCAGGAGTTCGCCGAAGGCTTC  
GTCAAGGCGCTGGAGGACCTGCAACAAGCAAGCCAGCTGGGTGCGGCCACCGCGGCCACCTCAGGGGCTC  
CCGCGCCTCCCGCGCCCGGACCTGGCCGCCACCCCCGGGGCCACGGAGACCCCGGTCTACGCCAACCT  
GAGCAGTTTCGCGGGTGGCGCGGGCCCCCTGGGGCGCGGCCACCGTGGCTTTCGCCCGGAGCCAGTG  
CCCTTCCCGCGCCCCCGGGCGCGCTGGGGCGCGCCACCTCCGCATCCACCGCGCTGGCCGCGCTCA  
AGGACGAGCCGACAGCCGTGCCGACGTGCCGAGCTTCGGCGACAGCCCTCCGCTGTGCCCATCGCAT  
GGACACGCAAGAACGCATCAAGGCGGAGCGCAAGAGGCTGCGCAACCGCATCGCCGCTCCAAATGCCGC  
AAGCGCAAGCTGGAGCGTATCTCGCGCTGGAGGAGAAAGTCAAGACCCCTCAAAGCCAGAACACCGGAG  
TGGCGTCCACCGCCAGCCTGCTGCGCGAGCAGGTGGCGCAGCTCAAACAGAAAGTCTCAGCCACGTCAA  
CAGCGGCTGCCAGCTGCTGCCCCAGCACCAGGTCCCGGCTAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR205123 representing NM\_010592  
Red=Cloning site Green=Tags(s)

METPFYGEELSGLAAGASSVAGATGAPGGGGFAPPGRAFFGAPPTSSMLKDDAL T LSLAEQGAAGLKPG  
 SATAPSA LRPD GAPDGL L ASPDLG L LK L A S P E L E R L I I Q S N G L V T T T P 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 D L A A T P G A T E T P V Y A N L S S F A G G A G P P G G A A T V A F A A E P V  
 P F P P P P G A L G P 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 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

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9034\\_h10.zip](https://cdn.origene.com/chromatograms/mm9034_h10.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_010592

**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\\_010592.5](#)

**RefSeq Size:** 2878 bp

**RefSeq ORF:** 1026 bp

**Locus ID:** 16478

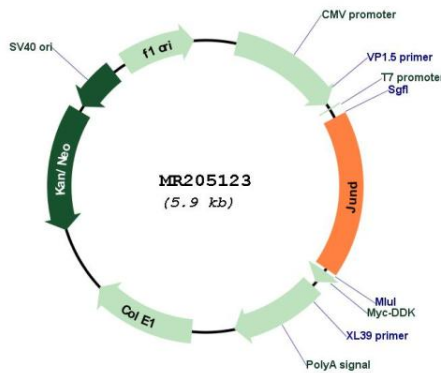
**UniProt ID:** [P15066](#)

**Cytogenetics:** 8 34.15 cM

**MW:** 35.4 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 MR205123