

## Product datasheet for MR203916

### Josd3 (BC110660) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Josd3 (BC110660) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Josd3
Synonyms:	5930426I11Rik, 2810003M17Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203916 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTCAATCAGAAGTGAATTCTGTCTGTGTGGCATCGGATAGAGCTGGAGATACTGGAGACCAAAGTG  
ATGACTCCTCTGATGGCAGCTTATTTAAAACCTCAGTGTGCTCCTTCACCTATACAAAAGCAAAGACACCC  
TACTGTGAAACGTGTTACTTTACCTGCAAGTGTGAAACAGATTCATCAAGTGACTCTTCTATAGAACCA  
AGGCCTCTGACTTTAAAGGCTATTTTTGAAAGATTTAAAAAAGAAACGGAAAAAGAGGAAAAAGAGAA  
AATATGAGCCAAAATTAAGACCAAGAGGAAGACCAAGAGGAAAACCATCGGGAACGAGGATCACTAGAAG  
GTCGCAAATAGATGCAAAACAAATTAAGACAAAGGAGCTGTGTTCCATTCTTAGAATCTGAGAGTGGA  
AGAAAACTTTACCTTGGAAGAAAATTTAACATATGAGCAAGCTGTTGCAAGAGGATTTTTCCACCACA  
TTGAAAACTCAAGTATGAACACCACCTTAAGGAATGCTTGAAGCAATGCATGCTGGGGAAGATTTAGA  
AAAGGAAGACCTTGACAGTCGGAGGCACAAATACATGGATGATGATGGTTCACCTTCTCCTATTGAAGAG  
CCATTAAGTGAAGATGAAGCAACAAATCCTCAGGCTGAATGTGATATCAAGTTGGTTGAAGACAGTTGCT  
TCATAATAAGTTCAGAATTCTCAAGGAAGAGAACTTGGAAACAAGAGAAGATTAAGAAAGAATCTACATT  
TTCTAAAAAGCCAAAGATGCCACACAGAGAAAAGGGCACAGAAGAACCTTGAAGGAAATGAACAT  
GTGACTATTGAAGAAGGCTTGTCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR203916 protein sequence  
 Red=Cloning site Green=Tags(s)

MAQSEVNSVCVASDRAGDTGDQSDSDSGLFKTQCAPSPIQKQRHPTVKRVTLPASVETDSSSDSIEP  
 RPLTLKAIFERFKKKRKRKRYEPLRPRGRPRGKPSGTRITRRSQIDAKQIKDKGAVFPFLESESG  
 RKPLPWKKILTYEQAVARGFFHHIEKLYEHLKECLKQMHAGEDLEKEDLDSRRHKYMDDDGSLPIEE  
 PLTEDEATNPQAECDIKLVEDSCFIIISSEFSRKRNLQEKIKKESTFSKKAKDATHREKGRRTLKGNEH  
 VTIEEGLS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



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

**ACCN:** BC110660

**ORF Size:** 864 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:** [BC110660](#), [AAI10661](#)

**RefSeq Size:** 2254 bp

**RefSeq ORF:** 866 bp

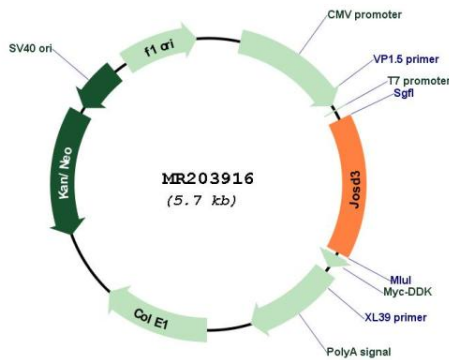
**Locus ID:** 75316

**Cytogenetics:** 9 A2

**MW:** 33 kDa

**Gene Summary:** Component of the transcription factor SL1/TIF-IB complex, which is involved in the assembly of the PIC (preinitiation complex) during RNA polymerase I-dependent transcription. The rate of PIC formation probably is primarily dependent on the rate of association of SL1/TIF-IB with the rDNA promoter. SL1/TIF-IB is involved in stabilization of nucleolar transcription factor 1/UBTF on rDNA. Formation of SL1/TIF-IB excludes the association of TBP with TFIID subunits (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR203916