

## Product datasheet for **MR207300**

### **Foxn3 (NM\_183186) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Foxn3 (NM_183186) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Foxn3
Synonyms:	5430426H20Rik; AA589593; AW556347; Ches1; Ches1l; HTLFL1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR207300 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGGGTCCAGTCATGCCCTGCCAGTAAGAAGGCCGAGAGCTCAGGAATCAGTGTGTCCAGTGGACTGAGTC  
 AGCGTTACCGGGCAGCGTTTTCTCAAGGCCCTCCAGGAAGACGATGATCTTGACTTCCCTCTGCCCGA  
 CATCCGATTAGAAGAGGGGGCCATGGAAGATGAAGAGCTGACCAACCTGAACTGGCTGCATGAGAGCAAG  
 AACTTGCTGAAGAGCTTTGGGGAGTCGGTCTTAGGAGTGTGAGTCTGTGCAGGACCTAGACGATGACA  
 CCCCACCATCCCCTGCCACTCGGACATGCCCTATGATGCCAGGCAGAACCCCAACTGCAAGCCCCCTA  
 CTCCTTAGCTGCCTCATATTTATGGCCATCGAGGACTCTCCGACCAAGCGCCTCCAGTGAAGGACATC  
 TACAACTGGATCTTAGAACATTTCCCGTATTTTGCAAATGCACCTACTGGGTGGAAGAACTCAGTGAGAC  
 ACAACTTGTATTGAATAAGTGTTCAGAAAAGTGGACAAAGAGAGGAGTCAGAGTATTGGGAAAGGGTC  
 ATTGTGGTGCATCGACCCAGAGTATAGACAAAATCTAATTCAGGCTCTGAAAAAGACACCTTACCACCCA  
 CCTCTACTCCTCAGGCTTATCAAAGCAGATCAGGTCCACCCATCTGGCCGGGCAGTACCTTCTCAAGA  
 GAAACGGAGCCCTCCTGCAAGTTTCTCCAGGAGTGATACAAAATGGAGCGAGGGTCTGAGTCGAGGGCT  
 GTTTCCTGGTGTCCGGCCGTTACCAATCACTCCCATTGGGATGACGGCAGCCATAAGGAATAGCATCACC  
 AGTTGCAGGATGCGGACTGAGAGCGAGCCCCATGTGGCTCCCCAGTGGTCAGTGGCGATCCGAAGGAGG  
 ACCACAACACAGTAGTGCAAGTCTCCACTGCCCGGAGCACCTCTCCCACAGCGACTCCATCTCCTC  
 TTCTCCTCCTCCGCCGACCACTATGAGTTTGTACGAAGGGGAGCCAGGAGGGCAGTGAGGGAAGC  
 TTCCAGAGCCATGAGAGCCACAGTGAACCAGAGGAGGAGGACCGGAAACCCAGCCGAAGGAAGGCAAGG  
 ATGCCCTGGGGGACAGCGGATACGCATCCAGCACAAAGAAGCGCCAGCACTTCGCCAAGGCCAGGAAGGT  
 CCCAGCGACACACTGCCCTCAAAAAGAGACGCACGGAGAAGCCGCCGAGAGCGATGACGAGGAGATG  
 AAGGAGGCGGCCGTTCACTCCTGCACTTAGCAGGGATTTCGGTCTGTTGAACAACATACCAATCGGA  
 CGGCCAAGGGGCAGAAAGAACAAAAGGAAACCGCAAAAAAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR207300 protein sequence  
 Red=Cloning site Green=Tags(s)

MGPVMPASKKAESSGISVSSGLSQRVYRSGFSKALQEDDDLDFPLDIRLEEGAMEDEELTNLNWLHESK  
 NLLKSFGESVLRVSPVQDLDDTPPSPAHSDMPYDARQNPNCPPYSFSLIFMAIEDSPTKRLPVKDI  
 YNWILEHFYPYFANAPTGWKNSVRHNLNLNCFKKVDKERSQSIGKSLWCIDPEYRQNLIQALKKTPYHP  
 PPTPQAYQSTSGPPIWPGSTFFKRNGALLQVSPGVIQNGARVLSRGLFPGVRPLPITPIGMTAAIRNSIT  
 SCRMRTESEPPCGSPVVSQDPKEDHNYSSAKSSTARSTSDSISSSSSSADHDHYEFATKGSQEGSEGS  
 FQSHESHSEPEEEDRKPSPEKGDALGDSGYASQHKRQHFQAKARKVPSDTLPLKKRREKPPESDDEEM  
 KEAAGSLLHLGIRSLNITNRTAKGQKEQKETAKN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**

**ACCN:** NM\_183186

**ORF Size:** 1374 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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\\_183186.2](#), [NP\\_899009.2](#)

RefSeq Size: 2611 bp

RefSeq ORF: 1374 bp

Locus ID: 71375

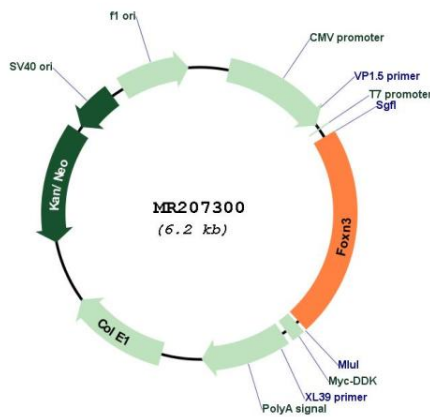
UniProt ID: [Q499D0](#)

Cytogenetics: 12 E

MW: 50.3 kDa

Gene Summary: Acts as a transcriptional repressor. May be involved in DNA damage-inducible cell cycle arrests (checkpoints) (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR207300