

## Product datasheet for **RR210942**

### **Foxn3 (NM\_001108047) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Foxn3 (NM_001108047) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Foxn3
Synonyms:	Ches1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR210942 representing NM\_001108047  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGGTCCAGTCATGCCCTGCCAGTAAGAAGCCCGAGAGCTCAGGAATCAGTGTGTCCAGTGGACTGAGTC  
 AGCGGTACCGGGCAGTGGTTTCTCCAAGGCCCTCCAGGAAGATGATGATCTCGACTTCCCTCTGCCTGA  
 CATCAGATTAGAAGAGGGGACCATGGAAGATGAAGAGCTGACCAACCTGAACTGGTTGCACGAGAGCAAA  
 AACTTACTGAAGAGCTTTGGGGAGTCGGTCTGAGGAGTGTGAGTCCCCTGCAGGACCTGGACGATGATA  
 CCCCAGCGTCCCCGCCACTCGGACATGCCCTACGATGCCAGGCAGAACCCCAACTGCAAGCCCCCTA  
 CTCTTTTAGCTGCCTCATATTGATGCCATTGAGGACTCTCAACCAAGCGCTGCCAGTGAAGGATATC  
 TACAACTGGATCTTAGAACATTTCCCGTATTTGCAAATGCACCTACTGGGTGGAAGAACTCAGTGAGAC  
 ATAATTTGTCCTGAATAAGTGTTCAGAAAAGTGGACAAAGAGAGGAGTCAAGTATTGGGAAAGGATC  
 ATTTGGTGCATAGACCCAGAGTATAGACAAAATCTAATTCAGGCTTTGAAAAGACACCGTACCACCCA  
 CCTCTACTCCTCAGGCTTATCAAAGCAGATCAGGTCCACCCATCTGGCCGGGTAGTACCTTCTCAAGA  
 GAAATGGAGCCCTTCTGCAAGTTTCTCCAGGAGTGATACAAAATGGAGCGAGGGTCTGAGCCGAGGGCT  
 GTTTCCTGGTGCCCGCCGTTGCCAATCACTCCCATTGGGATGACGGCAGCCATAAGGAATAGCATCACC  
 AGTTGCCGGGTGCGGACTGAGAGCGAGCCCATGTGGCTCCCCAGTGGTCAAGTGGGACCCCAAGGAGG  
 ACCACAACACAGTAGTGCAAGTCTCCAATGCCCGGAGCACCTCTCCACAGCGACTCCATCTCCTC  
 CTCTCTCTCAGCCGACGACCACTACGAGTTTCCACGAAAGGGGAGCCAGGAGGGCAGTGAGGGAAGC  
 TTCCAGAGCCATGAGAGCCACAGCGAACCCAGAGGAGCAGCAGGAAACCCAGCCAGAAGGAGGGCAAGG  
 ACCGCCCTGGGGACAGCGGATACGCATCCAGCACAGGAAAGCGCCAGCACTTGGCCAAGGAGGAAAGT  
 CCCCAGCGACACACTGCCCTCAAAAAGAGACGCACGGAGAAGCCGCCGAGAGCGACGATGAGGAGATG  
 AAGGAGGCGGCCGTTTCCCTCCTGCACTTGGCAGGATTTCGGTCTGTTGAACAACATACCAATCGGA  
 CGGCCAAGGGGCAGAAAGAACAAAAGGAAACCGCAAAAAAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR210942 representing NM\_001108047  
 Red=Cloning site Green=Tags(s)

MGPVMPASKKPESGIVSSGLSQRYSRSGFSKALQEDDDLDFPLDIRLEEGTMEDEELTNLNLHESK  
 NLLKSFGESVLRVSPVQDLDDDTPPSPAHSMPYDARQNPNCPPYFSCLIFMAIEDSPTKRLPVKDI  
 YNWILEHFPYFANAPTGWKNSVRHNLNLKCFKVKDKERSQSIGKSLWCIDPEYRQNLIQALKKTPYHP  
 PPTPQAYQSTSGPPIWPGSTFFKRNGALLQVSPGVIQNGARVLSRGLFPGARPLITPIGMTAAIRNSIT  
 SCRVRTESEPPCGSPVSGDPKEDHNYSSAKSSNARSTSPTSISSSSSSADDDHYEFATKGSQEGSEGS  
 FQSHESHSEPEEDDRKPSQKEGKDALGDSGYASQHRKQHLAKARKVPSDTLPLKKRRTEKPPESDDEEM  
 KEAAGSLLHLAGIRSLNITNRTAKGQKEQKETAKN

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

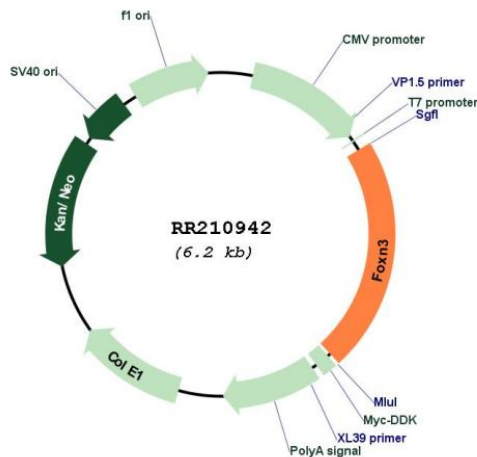
**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001108047

ORF Size: 1371 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\\_001108047.1](#), [NP\\_001101517.1](#)

**RefSeq Size:** 3670 bp

**RefSeq ORF:** 1374 bp

**Locus ID:** 314374

**Cytogenetics:** 6q32

**MW:** 50.4 kDa