

Product datasheet for **RR212679**

Foxn4 (NM_001105935) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Foxn4 (NM_001105935) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Foxn4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR212679 representing NM_001105935
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGATAGAAAGTGACATCCAGTCCAAAATGTCAGGAATGATCAGAAGCTCCGGGCACAGCCACCACCGCT
 CTCACAGGAATACAGGTTCTGCCTCCGCGGGTGATGACGACCTCCCTGGGGACCTTCAGTCACTGTC
 ATGGCTCACAGCCGTGGACGTGCCTCGACTGCAGCAGATGGCAAGTGGGAGGATAGACTTGGGCAGCCCC
 AGTGTACCACATCCACACCCAGGTGCCATGGTGGGGTGGCAGACCCGCACGTGGGTGCAGCCCCACGTC
 CCATGCTCCGTAGCCAGACCGCATGGTCCCCAGAGGCATGCTGGGCTTGGCCCATAGGCAGCTACAG
 AGCCAGCGCCGAGCAGATGAACCAAGTCCCGTAGGAGGGCAGTCATCATCGGCCTGCAGGAAATGCCA
 CAGCTGTACTCTCCGGTACCCAAATCCAGTCCCTCTGCCTCCGGTCCAGCAGTGTCTCCACCA
 GCCTCTATGGCTCTCATTGCGACCCGGCCTCCCTACCCGACGGCCACGTGACTGTGCATTACCTCA
 AGAGGCACACCCAAACTACCCAAAGCCATCTACTCTACAGCTGTCTGATCGCCATGGCTTTGAAG
 AGTAGCAAGACAGGCAGCCTGCCGTGAGTGAGATCTACAGTTCATGAAGGAGCACTTCCCTACTTCA
 AGACAGCACTGACGGTGGAAAGAACTAGTGAGACACAACCTGTCCCTGAACAAGTGTCTTGGAGAGGT
 GGAAACCAAGCCAGTGGCTCCTCGCGCAAGGGTGCCTGTGGGCCCTGAACCTGGCGCGCATCGACAAG
 GTGGAGGAGGAGATGCACAAGTGGAAAGGAAGGACCTCGCCGCATACACCGCAGCATGGCCAACCCTG
 AGGAGTTAGACAAGCTCATCTCAGACCGCCAGAAAGTCCCGCGCTCTGGAAAACAAGGGGAGCCTGA
 GGTCCCTGTGTGACCCGCGCCACGACGGTGGCCATGACCACAGCTGCCTGGCCATCTCCCAACTCCCA
 CCTAAGCCACTGATGACCCTGTCCCTGCAGTTCCTGGGACTTCTCAACATCAGCACTGACACGAACA
 CAGAGGTGGAGCCCTGGACCCACAGCATGGACTTCGCTCTACAGGTAACCTGTGGGAAGAGATGAG
 GGAGGAAAGCTTACGCTGGACACGCTGGGGCCCTTCGGAGACTCCCACTTGGCTGTGACCTGGGAACC
 CCAAGCCTGACCCCTGTCTCTGGCAGCGGTGACCAGCCCTTCCAGATGTGACAGGTGACAGGTCTCTATG
 CGGCCTATTCCACTGTACAGCAGACAGTGTGGCCCCATCCGTGGTCAACTCTGCACAGTACCTGGGAAC
 TCCGGGGAACAAGCCATTGCTCTGCTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR212679 representing NM_001105935
 Red=Cloning site Green=Tags(s)

MIESDIQSKMSGMIRSSGSHHRSPQEYRFLPPAGDDDLPGDLQSLSWLTAVDVPRLLQPMASGRIDLGSP
 SVPHPHPGAMAGVADPHVGAAPRPLRSQTAMVPRGMLGLSPIGSYRASAEQMNQFPVGGQSSSGLQEMP
 QLYSPATQIQFPLPSGSQQCPPTSLYGSFPAARPPYPQAHVTVHSPQEAHPKHYPKPIYSYSLIAMALK
 SSKTGSLPVSEIYSFMKEHFPYFKTAPDGWKNVSRHNLNLNCFEKVETKPSGSSRKGCLWALNLARIDK
 VEEEMHKWKRKDLAAIHRSMANPEELDKLISDRPESRRPGKQGEPEVPVLTRATTVAMTHSCLAI SQLP
 PKPLMTLSLQVPGDFLNISTDNTNEVDALDPSIMDFALQGNLWEEMREESFSLDTLGFAGDSPLGCDLGT
 PSLTPVSGSDQFPDPVQVTGLYAAYSTVTADSVAPSVVNSAQLGTPGNKPIALL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

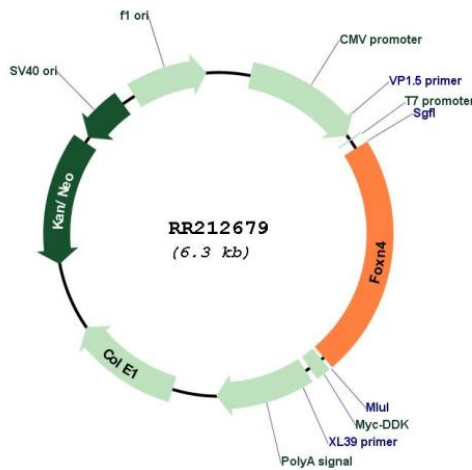
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001105935

ORF Size: 1428 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_001105935.1](#), [NP_001099405.1](#)

RefSeq Size: 2709 bp

RefSeq ORF: 1431 bp

Locus ID: 288736

Cytogenetics: 12q16

MW: 51.6 kDa