

Product datasheet for **RR214378**

Foxa2 (NM_012743) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Foxa2 (NM_012743) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Foxa2
Synonyms:	Hnf3b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR214378 representing NM_012743
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCTGGGAGCCGTGAAGATGGAAGGGCACGAGCCATCCGACTGGAGCAGCTACTACGCGGAGCCTGAGG
 GCTACTCTCCGTGAGCAACATGAACGCCAGCCTGGGGATGAATGGCATGAACACTTACATGAGCATGTC
 CGCGGCTGCAATGGGCAGTGGTTCCGGCAACATGAGCGCAGGCTCCATGAACATGTCATCTATGTGGGC
 GCTGGAATGAGCCCGTCGCTGGCTGGCATGTCCCCGGGCGCGGCCCATGGCGGGCATGAGCGGCTCAG
 CTGGGGCGGCCGCTGGCGGGCATGGGACCGCACCTGAGTCCGAGTCTGAGCCACTCGGGGGACAGGC
 GGCCGGGGCTATGGGTGGCCTTGCTCCCTACGCCAATATGAACTCCATGAGTCTATGTACGGGCAGGGC
 GGCTGAGCCGCGCTCGGGACCCCAAGACGTACCGGCGCAGCTACACTCACGCCAAGCCTCCCTACTCGT
 ACATCTCGCTCATACCATGGCCATCCAGCAGAGCCCCAACAAGATGCTGACGCTGAGCGAGATCTATCA
 GTGGATCATGGACCTTCCCTTTCTACCGGCAGAACCAGCAGCGCTGGCAGAATCCATCCGTCATTCT
 CTCTCCTCAACGACTTTCTCAAGGTGCCCGCGCCAGACAAGCCTGGCAAGGGCTCCTTCTGGACCC
 TGACCCTGACTCTGGCAACATGTTGAGAACGGTTGCTACCTGCGCCGCCAGAAGCGCTTCAAGTGTGA
 GAACGAACTGGCGTTGAAGGAAGCAGCGGGTGCGGCAGTGGCGGAGGCAAGAAGACCGCTCCTGGGACA
 CAGGCTTCTCAGGTTGAGCTCGGGGAGGCCGAGGCTCGGCTCTGAGACTCCGGCGGGCACCGAGTCCC
 CCCATTCCAGCGCTTCTCCGTGTGAGGAGCACAAGCGAGGTGGCTGAGCGAGCTGAAGGGAACACCTGC
 CTCTGCGCTGAGTCTCCGGAGCCGGCGCCCTCGCTGGGCAGCAGCAGGCTGCAGCCCACCTGCTG
 GGCCACCTCACCATCTGGCTGCCACCAGAGGCCACCTGAAGCCCGAGCACCATTACGCCTTCAACC
 ACCCTTCTCTATCAACAACCTCATGTCTCCGAGCAGCAACATCATCACAGCCACCACCACCATCAGCC
 CCACAAAATGGACCTCAAGACCTACGAACAGGTGATGCACTACCCTGGGGGCTACGGTTCCCCCATGCCA
 GGAGCTTGCCATGGGCCAGTCACGAACAAAGCCGGCTGGATGCCTCGCCCTGGCTGCAGACACTT
 CCTACTACCAGGAGTGTACTCCAGGCCTATTATGAACTCGTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR214378 representing NM_012743
 Red=Cloning site Green=Tags(s)

MLGAVKMEGHEPSDWSSYYAEPEGYSSVSNMNASLGMNGMNTYMSMSAAAMGSGSGNMSAGSMNMSYVVG
 AGMSPSLAGMSPGAGAMAGMSGAGAAGVAGMGPPLSPSLSPGGQAAGAMGGLAPYANMNSMSPMYGQA
 GLSRARDPKTYRRSYTHAKPPYSYISLITMAIQSPNKMLTLEIYQWIMDLFPFYRQNRQWQNSIRHS
 LSFNDFLKVPRAPDKPGKGSFWTLHPDSGNMFENGCYLRRQKRFKCNELALKEAAGAGSGGKKTAPGT
 QASQVQLGEAAGSASETPAGTESPHSSASPCQEHKRGGLSELKGTASALSPPEPAPSPGQQQAAHLL
 GPPHPGLPPEAHLKPEHHYAFNHPFSINLMSSEQQHHHSHHHHQPHKMDLKYEQVMHYPGGYGSPMP
 GSLAMGPVTNKAGLDASPLAADTSYYQGVYSRPIMNSS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:


ACCN: NM_012743

ORF Size: 1374 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_012743.1](#), [NP_036875.1](#)
RefSeq Size: 2218 bp

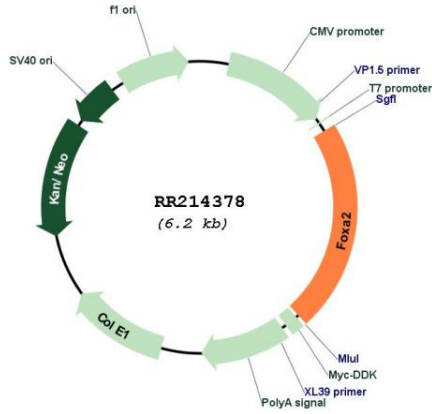
RefSeq ORF: 1377 bp

Locus ID: 25099

UniProt ID: [P32182](#)

Cytogenetics: 3q41
MW: 48.5 kDa
Gene Summary: regulates expression of growth hormone regulated CYP genes [RGD, Feb 2006]

Product images:



Circular map for RR214378