

Product datasheet for **RC233119**

FOXM1 (NM_001243088) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FOXM1 (NM_001243088) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FOXM1
Synonyms:	FKHL16; FOXM1A; FOXM1B; FOXM1C; HFH-11; HFH11; HNF-3; INS-1; MPHOSPH2; MPP-2; MPP2; PIG29; TRIDENT
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RC233119 representing NM_001243088
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAAAC TAGCCCCGTCGGCCACTGATTCTCAAAGACGGAGGCTGCCCTTCTGTTCAAAATGCC
 CAAGTAAACATCAGAGGAGGAACCTAAGAGATCCCCTGCCAACAGGAGTCTAATCAAGCAGAGGCCTC
 CAAGGAAGTGGCAGAGTCCAACCTTTGCAAGTTTCCAGCTGGGATCAAGATTATTAACCACCCACCATG
 CCCAACACGCAAGTAGTGGCCATCCCAACAATGCTAATATTCACAGCATCATCACAGCACTGACTGCCA
 AGGGAAAAGAGAGTGGCAGTAGTGGGCCAACAAATTCATCCTCATCAGCTGTGGGGAGCCCCAACTCA
 GCCTCCAGGACTCCGGCCTCAAACCCAAACCAGCTATGATGCCAAAAGGACAGAAGTGACCCTGGAGACC
 TTGGGACCAAAACCTGCAGCTAGGGATGTGAATCTTCTAGACCACCTGGAGCCCTTTGCGAGCAGAAAC
 GGGAGACCTGTGATGGTGAAGCAGCAGGCTGCACTATCAACAATAGCCTATCCAACATCCAGTGGCTTCG
 AAAGATGAGTTCTGATGGACTGGCTCCCGCAGCATCAAGCAAGAGATGGAGGAAAAGGAGAATTGTCAC
 CTGGAGCAGCGACAGGTTAAGGTTGAGGAGCCTTCGAGACCATCAGCGTCTGGCAGAACCTGTGTCTG
 AGCGGCCACCCTACTCTTACATGGCCATGATACAATTCGCCATCAACAGCACTGAGAGGAAGCGCATGAC
 TTTGAAAGACATCTATACGTGGATTGAGGACCACTTTCCCTACTTTAAGCACATTGCCAAGCCAGGCTGG
 AAGAACTCCATCCGCCACAACCTTTCCCTGCACGACATGTTTGTCCGGGAGACGTCTGCCAATGGCAAGG
 TCTCCTTCTGGACCATTACCCCAAGTCCCAACCCTACTTGACATTGGACCAGGTGTTTAAGCAGCAGCA
 GAAACGACCGAATCCAGAGCTCCGCCGGAACATGACCATCAAACCGAACTCCCCCTGGGCGCACGGCGG
 AAGATGAAGCCACTGCTACCACGGGTGACTCATACCTGGTACCTATCCAGTTCGGTGAACCAAGTCCG
 TGGTGTTCAGCCCTCGGTGAAGTGCCATTGCCCTGGCGGCTTCCCTCATGAGCTCAGAGCTTGCCCG
 CCATAGCAAGCGAGTCCGCATTGCCCCCAAGGTGCTGCTAGCTGAGGAGGGGATAGCTCCTCTTTCTCT
 GCAGGACCAGGGAAGAGGAGAACTCCTGTTGGAGAAGGGTTTTCTCCTTTGCTTCCAGTTCAGACTA
 TCAAGGAGGAAGAAATCCAGCCTGGGGAGGAAATGCCACACTTAGCGAGACCCATCAAAGTGAGAGGCC
 TCCCTTGAAGAGTGGCCCTCCCGGCCCATCTTTCAAAGAGGAATCATCTCACTCCTGGGAGGATTGCG
 TCCCAATCTCCACCCCAAGACCAAGAAGTCTACAGTGGGCTTAGGTCCCAACCCGGTGTGTCTCGG
 AAATGCTTGTGATTCAACACAGGAGAGGAGGGAGAGGAGCCGGTCTCGGAGGAAACAGCATCTACTGCC
 TCCCTGTGTGGATGAGCCGGAGCTGCTTCTCAGAGGGGCCAGTACTCCCGCTGGGCCGAGAGCTC
 CGTTCCAGCAGACTCCTCTGACCCTGCCTCCAGCTCAGTACTCCAGGAAGTGGGAGACCTTTTA
 AGACACCCATTAAGGAAACGCTGCCATCTCCTCCACCCGAGCAAATCTGTCTCCCCAGAACCCCTGA
 ATCCTGGAGGCTCAGCCCCAGCCAAAGTAGGGGACTGGATTTAGCCAGTACAAACCTCCAGGGT
 GCCTCTGACCCCTTGCTGACCCCTGGGGCTGATGGATCTCAGCACCCTCCCTTGCAAAGTGCTCCCC
 CCCTTGAATCACCGCAAAGGCTCCTCAGTTCAGAACCTTAGACCTCATCTCCGTCCTTTGGCAACTC
 TTCTCCCTCAGATATAGACGTCCCAAGCCAGGCTCCCGGAGCCACAGGTTTCTGGCCTTGACGCAAT
 CGTTCTGACAGAAGGCTGGTCTGGACACAATGAATGACAGCCTCAGCAAGATCCTGCTGGACATCA
 GCTTTCCTGGCCTGGACGAGGACCACTGGGCCCTGACAACATCAACTGGTCCCAGTTTATCTCTGAGCT
 ACAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC233119 representing NM_001243088
 Red=Cloning site Green=Tags(s)

MKTSRRRLILKRRRLPLPVQNA PSETSEEPKRSPAQQESNQAEASKEVAESNSCKFPAGIKIINHPTM
 PNTQVVAIPNNANIHSIITALTAGKESGSSGNKFI L I SCGGAPTQPPGLRPQTQTSYDAKRTEVTLET
 LGPKPAARDVNLPRPPGALCEQKRETC DGEAAGCTINNSL SNIQWLRKMSDGLGSRSIKQEMEEKENCH
 LEQRQVKVEEPSRPSASWQNSVSRPPYSYMIQFAINSTERKRMTLKDIYTWIEDHFPYFKHIAKPGW
 KNSIRHNL SLHDMFVRETSANGKVSFWTIHPSANRYLTL DQVFKQQKRPNELRRNMTIKTELPLGARR
 KMKPLLPRVSSYLVIQFPVNQSLVLP SVKVPPLAASLMSEELARHSKRVR IAPKVL LAEEGIAPLSS
 AGPGKEEKLLFGEGFSPLLPVQTIKEEEIQPGEEMPHLARP I KVESPPLEEWSPAPSFKEESSHWEDS
 SQSPTPRPKKSYGLRSPTRCVSEMLVIQHRRERSRSRRKQHLLPPCVDEPELLFSEGPSTRWAAEL
 PFPADSSDPASQLSYSQEVGGPFKTPIKETLPI S STPSKSVLPRTPE SWRLTPPAKVGGLDFSPVQTSQG
 ASDPLPDLGLMDLSTTPLQSAPPLESPQRLLSSEPLDLISVPFGNSSPSDIDVPKPGSPEPQVSGLAAN
 RSLTEGLVLDTMNDSLKILLDISFPLDEDPLGPDNINWSQFIPELQ

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

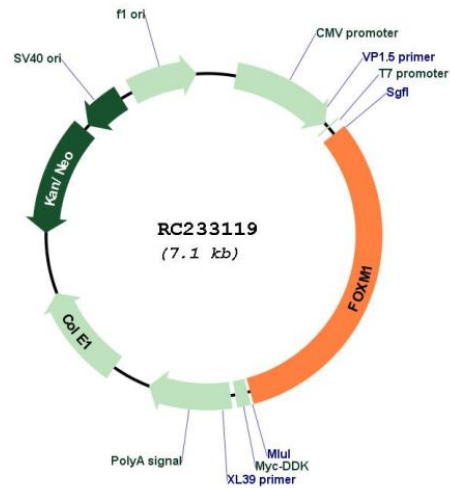
Restriction Sites:

SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_001243088

ORF Size: 2244 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_001243088.1](#), [NP_001230017.1](#)

RefSeq Size: 3506 bp

RefSeq ORF: 2247 bp

Locus ID: 2305

UniProt ID: [Q08050](#)

Cytogenetics: 12p13.33

Protein Families: Transcription Factors

MW: 83.2 kDa

Gene Summary: The protein encoded by this gene is a transcriptional activator involved in cell proliferation. The encoded protein is phosphorylated in M phase and regulates the expression of several cell cycle genes, such as cyclin B1 and cyclin D1. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2011]