

Product datasheet for **RC233117**

FOXM1 (NM_001243089) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FOXM1 (NM_001243089) 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:

>RC233117 representing NM_001243089
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGAAAAC TAGCCCCGTCGGCCACTGATTCTCAAAGACGGAGGCTGCCCTTCTGTTCAAAATGCC
CAAGTAAACATCAGAGGAGGAACCTAAGAGATCCCCTGCCAACAGGAGTCTAATCAAGCAGAGGCCTC
CAAGGAAGTGGCAGAGTCCAACCTTTGCAAGTTTCCAGCTGGGATCAAGATTATTAACCACCCACCATG
CCCAACACGCAAGTAGTGGCCATCCCAACAATGCTAATATTCACAGCATCATCACAGCACTGACTGCCA
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence: >RC233117 representing NM_001243089
 Red=Cloning site Green=Tags(s)

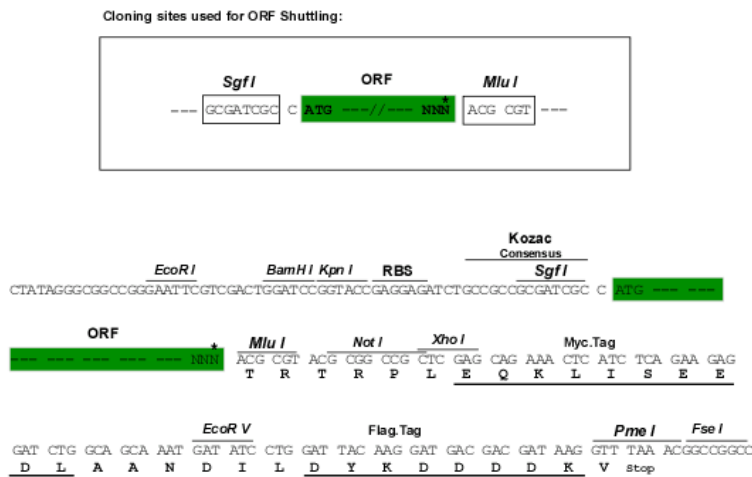
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 LGPKPAARDVNLPRPPGALCEQKRETCDEAAGCTINNSLSNIQWLRKMSSDGLGSRSIKQEMEEKENCH
 LEQRQVKVEEPSRPSASWQNSVSRPPYSYMIQFAINSTERKRMTLKDIYTWIEDHFPYFKHIAKPGW
 KNSIRHNL SLHDMFVRETSANGKVSFWTIHPSANRYLTL DQVFKQKRPNPELRRNMTIKTELPLGARRK
 MKPLLPRVSSYL VPIQFPVNQSLVLPQSVKVLPLAASLMSESLARHSKRVR IAPKVL LAEEGIAPLSSA
 GPGKEEKLLFGEGFSPLLPVQTIKEEIQGGEEMPHLARPIKVESPLEEWPSPAPSFKEESSHSEDSS
 QSPTPRPKKSYGLRSPTRCVSEMLVIQHRRERSRSRRKQHLLPCCVDEPELLFSEGPSTSRWAAELP
 FPADSSDPASQLSYSQEVGGPFKTIKETLPISSTPSKSVLPRTPE SWRLTPPAKVGGLDFSPVQTSQGA
 SDPLPDLGLMDLSTTPLQSA PPLESPQRLLSSEPLDLISVPFGNSSPSDIDVPKPGSPEPQVSGLAANR
 SLTEGLVLDTMNDSLKILLDISFPGLDEDP L GPDNINWSQFIPELQ

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

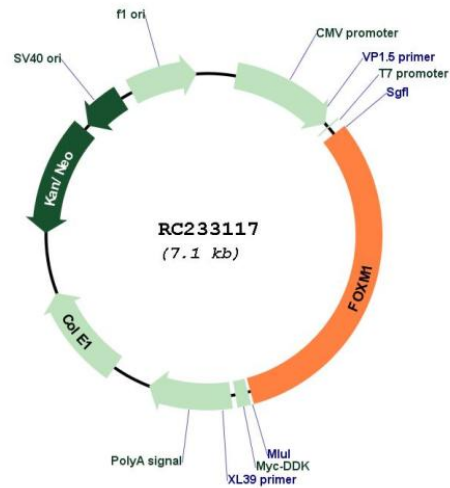
SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001243089

ORF Size: 2241 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_001243089.1](#), [NP_001230018.1](#)

RefSeq Size: 3503 bp

RefSeq ORF: 2244 bp

Locus ID: 2305

UniProt ID: [Q08050](#)

Cytogenetics: 12p13.33

Protein Families: Transcription Factors

MW: 83.1 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]