

Product datasheet for **RC211450**

FOXM1 (NM_202002) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FOXM1 (NM_202002) 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
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC211450 representing NM_202002
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAAAC TAGCCCCGTCGGCCACTGATTCTCAAAGACGGAGGCTGCCCTTCTGTTCAAAATGCC
 CAAGTGAACATCAGAGGAGGAACCTAAGAGATCCCTGCCAACAGGAGTCTAATCAAGCAGAGGCCTC
 CAAGGAAGTGGCAGAGTCCAACCTTTGCAAGTTTCCAGCTGGGATCAAGATTATTAACCACCCACCATG
 CCCAACACGCAAGTAGTGGCCATCCCAACAATGCTAATATTCACAGCATCATCACAGCACTGACTGCCA
 AGGGAAAAGAGAGTGGCAGTAGTGGGCCAACAAATTCATCCTCATCAGCTGTGGGGAGCCCCAACTCA
 GCCTCCAGGACTCCGGCCTCAAACCCAAACCAGCTATGATGCCAAAAGGACAGAAGTGACCCTGGAGACC
 TTGGGACCAAAACCTGCAGCTAGGGATGTGAATCTTCTAGACCACCTGGAGCCCTTTGCGAGCAGAAAC
 GGGAGACCTGTGCAGATGGTGGGCAGCAGGCTGCACTATCAACAATAGCCTATCCAACATCCAGTGGCT
 TCGAAAGATGAGTTCTGATGGACTGGGCTCCCGCAGCATCAAGCAAGAGATGGAGAAAAGGAGAATTGT
 CACCTGGAGCAGCGACAGGTTAAGGTTGAGGAGCCTTCGAGACCATCAGCGTCTGGCAGAACTCTGTGT
 CTGAGCGGCCACCCTACTCTTACATGGCCATGATACAATTCGCCATCAACAGCACTGAGAGGAAGCGCAT
 GACTTTGAAAGACATCTATACGTGGATTGAGGACCACTTTCCCTACTTTAAGCACATTGCCAAGCCAGGC
 TGAAGAAGTCCATCCGCCACAACCTTTCCCTGCACGACATGTTTGTCCGGGAGACGTCTGCCAATGGCA
 AGGTCTCCTTCTGGACCATTACCCCAAGTGCACACCGCTACTTGACATTGGACCAGGTGTTAAGCCACT
 GGACCCAGGGTCTCCACAATTGCCCGAGCACTTGAATCACAGCAGAAAACGACCGAATCCAGAGCTCCGC
 CGGAACATGACCATCAAACCGAACTCCCTTGGGCGCACGGCGGAAGATGAAGCCACTGCTACCACGGG
 TCAGTCATACCTGGTACCTATCCAGTTCCTGGTGAACCACTGCTGGTGTTCAGCCCTCGGTGAAGGT
 GCCATTGCCCTGGCGGCTTCCCTCATGAGCTCAGAGCTTGCCCGCCATAGCAAGCGAGTCCGCATTGCC
 CCAAGGTTTTTGGGAAACAGGTGGTGTGGTTACATGAGTAAGTTCTTTAGTGCGCATCTGCGAGATT
 TTGGTACACCCATCACCAGCTTGTTAATTTTATCTTTCTTTGTTTATCAGTGCTGCTAGCTGAGGAGGG
 GATAGCTCCTCTTTCTTGCAGGACCAGGAAAGAGGAGAACTCCTGTTTGGAGAAGGGTTTTCTCCT
 TTGCTTCCAGTTCAGACTATCAAGGAGGAAGAAATCCAGCCTGGGGAGGAAATGCCACACTTAGCGAGAC
 CCATCAAAGTGGAGAGCCCTCCCTTGAAGAGTGGCCCTCCCGGCCCATCTTTCAAAGAGGAATCATC
 TCACTCCTGGGAGGATTCGTCCCAATCTCCACCCCAAGACCCAAGAAGTCTACAGTGGGCTTAGGTCC
 CCAACCCGGTGTGTCTCGGAAATGCTTGTGATTCAACACAGGGAGAGGAGGGAGAGCCGGTCTCGGA
 GGAACAGCATCTACTGCCTCCCTGTGTGGATGAGCCGGAGCTGCTTCTCAGAGGGGCCAGTACTTC
 CCGCTGGGCCGACAGCTCCCGTTCACAGCAGACTCCTCTGACCCTGCCTCCAGCTCAGTACTCCAG
 GAAGTGGGAGGACCTTTAAGACACCCATTAAGGAAACGCTGCCATCTCCTCCACCCCGAGCAAATCTG
 TCCTCCCAGAACCCCTGAATCTGGAGGCTCACGCCCCAGCCAAAGTAGGGGGACTGGATTTAGCCCC
 AGTACAAACCTCCAGGGTGCCTCTGACCCCTTGCTGACCCCTGGGGCTGATGGATCTCAGCACCCT
 CCCTTGCAAAGTGTCCCCCTTGAATCACCCGAAAGGCTCCTCAGTTCAGAACCCTTAGACCTCATCT
 CCGTCCCCTTTGGCAACTCTTCTCCCTCAGATATAGACGTCCCAAGCCAGGCTCCCGGAGCCACAGGT
 TTCTGGCCTTGCAGCCAATCGTTCTCTGACAGAAGGCCTGGTCTGGACACAATGAATGACAGCCTCAGC
 AAGATCCTGCTGGACATCAGCTTCTGCGCTGGACGAGGACCCACTGGGCCCTGACAACATCAACTGGT
 CCCAGTTATTCTGAGCTACAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC211450 representing NM_202002
Red=Cloning site Green=Tags(s)

MKTSRRRLILKRRRLPLPVQNAPSETSEEPKRSPAQQESNQAEASKEVAESNSCKFPAGIKIINHPTM
PNTQVVAIPNNANIHSIITALTAKGKESGSSGPNKFILISCGGAPTQPPGLRPQTQTSYDAKRTEVTLET
LGPKPAARDVNLPRPPGALCEQKRETCADGEAAGCTINNSLSNIQWLRKMSSDGLGSRSIKQEMEEKENC
HLEQRQVKVEEPSRPSASWQNSVSRPPYSYMIQFAINSTERKRM TLKDIYTWIEDHFPYFKHIAKPG
WKNSIRHNL SLHDMFVRETSANGKVSFWTIHPSANRYLTLDQVFKPLDPGSPQLPEHLESQQKRPNPELR
RNMTIKTELPLGARRKMKPLLPRVSSYLVIQFPVNQSLVLQPSVKVPLLAASLMSELARHSKRVRIA
PKVFGQVVFVGYMSKFFSGDLRDFGTPITSLFNFIFLCLSVLLAEEGIAPLSSAGPGKEEKLLFGEGFSP
LLPVQTIKKEEIQPGEEMPHLARPIKVESPPLEEWSPAPSFKEESSHVEDSSQSPTPRPKKSYSGLRS
PTRCVSEMLVIQHRERRERSRRKQHLLPPCVDEPELLFSEGPSTRWAAELPPADSSDPASQLSYSQ
EVGGPFKTPIKETLPISSTPSKSVLPRTPESWRLTPPAKVGLDFSPVQTSQGASDPLPDPLGLMDLSTT
PLQSAPPLESPQRLLSSEPLDLISVFPGNSSPSDIDVPKPGSPEPQVSGLAANRSLTEGLVLDTMNDSLS
KILLDISFPGLDEDPLGPDNINWSQFIPELQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8079_d03.zip

Restriction Sites: Sgfl-Mlul

Cloning Scheme:


ACCN: NM_202002

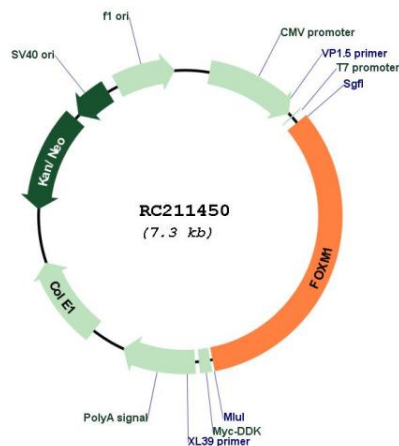
ORF Size: 2403 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:	<ol style="list-style-type: none"> 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:	<u>NM_202002.2</u>
RefSeq Size:	3641 bp
RefSeq ORF:	2406 bp
Locus ID:	2305
UniProt ID:	<u>Q08050</u>
Cytogenetics:	12p13.33
Protein Families:	Transcription Factors
MW:	88.4 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]

Product images:



Circular map for RC211450