

Product datasheet for SC128214

FOXM1 (NM_202003) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FOXM1 (NM_202003) Human Untagged Clone
Tag:	Tag Free
Symbol:	FOXM1
Synonyms:	FKHL16; FOXM1A; FOXM1B; FOXM1C; HFH-11; HFH11; HNF-3; INS-1; MPHOSPH2; MPP-2; MPP2; PIG29; TRIDENT
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_202003 edited

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GGGACCCGGCCGGTCCGGCGGAGCCCCCGTCCGGGGCCCTGGCTCGGCCCCAGGTTGG
AGGAGCCCGGAGCCCGCCTTCGGAGCTACGGCCTAACGGCGGCGGCGACTGCAGTCTGGA
GGTCCACACTTGTGATTCTCAATGGAGAGTAAAAACGAGATTTCATAATGAAAACTAGC
CCCCGTCGGCCACTGATTCTCAAAAGACGGAGGCTGCCCTTCCCTGTTCAAAATGCCCA
AGTGAAACATCAGAGGAGGAACCTAAGAGATCCCCTGCCCAACAGGAGTCTAATCAAGCA
GAGGCCTCCAAGGAAGTGGCAGAGTCCAACCTTTGCAAGTTTCCAGCTGGGATCAAGATT
ATTAACCACCCACCATGCCCAACAGCAAGTAGTGGCCATCCCCAACAAATGCTAATATT
CACAGCATCATCACAGCACTGACTGCCAAGGGAAAAGAGAGTGGCAGTAGTGGGCCAAC
AAATTCATCCTCATCAGCTGTGGGGAGCCCCAACTCAGCCTCCAGGACTCCGGCCTCAA
ACCCAAACCAGCTATGATGCCAAAAGGACAGAAGTGACCCTGGAGACCTTGGGACAAAA
CCTGCAGCTAGGGATGTGAATCTTCTAGACCACCTGGAGCCCTTTCGAGCAGAAACGG
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CAGTGGCTTCGAAAGATGAGTTCTGATGGACTGGGCTCCCGCAGCATCAAGCAAGAGATG
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CCCCTGGGCGCACGGCGGAAGATGAAGCCACTGCTACCACGGGTACAGCTACACCTGGTA
CCTATCCAGTTCCCGGTGAACCACTCACTGGTGTGTCAGCCCTCGGTGAAGGTGCCATTG
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AAGGAGGAAGAAATCCAGCCTGGGGAGGAAATGCCACACTTAGCGAGACCCATCAAAGTG
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 GCCCTCCCTGCCACCTCCCGTGTTCCTCAAGTCAAGTCTTCTGCAAGAAGAAATCCTGG
 TTAAGAAAGTCTTTTGTATTGGGTGAGGAGTTGAATTTGGGGTGGGAGGATGGATGCAAC
 TGAAGCAGAGTGTGGGTGCCAGATGTGCGCTATTAGATGTTTCTGATAATGTCCCA
 ATCATAACAGGGAGACTGGCATTGACGAGAACTCAGGTGGAGGCTTGAGAAGGCCGAAAG
 GGCCCTGACCTGCCTGGCTTCTTAGCTTGGCCCTCAGCTTTGCAAAGAGCCACCCTAG
 GCCCAGCTGACCGCATGGGTGTGAGCCAGCTTGAGAACACTAACTACTCAATAAAGCG
 AAGGTGGAAGAAAAAAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_202003 unedited
 AGGTCACAATTTGTATACGACTCACTATAGGGCGGCCGGAATTCGCACGAGGGGACCCG
 GCCGGTCCGGCGCGAGCCCCGTCGGGGCCCTGGCTCGGCCCCAGTTGGAGGAGCCCG
 GAGCCCGCCTTCGGAGCTACGGCCTAACGGCGGGCGGACTGCAGTCTGGAGGGTCCACA
 CTTGTGATTCTCAATGGAGAGTAAAACGCAGATTCATAATGAAAAGTCCCGCCGTCGG
 CCACTGATTCTCAAAGACGGAGGCTGCCCTTCTGTTCAAATGCCCCAAGTGAACA
 TCAGAGGAGGAACCTAAGAGATCCCTGCCAACAGGAGTCTAATCAAGCAGAGGCTCC
 AAGGAAGTGGCAGAGTCCAATCTTGAAGTTTCCAGCTGGGATCAAGATTATTAACCAC
 CCCACCATGCCAACACGCAAGTGTGGCCATCCCCAACAAATGCTAATATTCACAGCATC
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 AGCTATGATGCCCAAAGGACAGAAGTACCCTGGAGACCTTGGGACCAAACTGCAGCTA
 GGGATGTGAAATCTCTAGACCACTGGAGCCCTTTCGAGCAGAAAACGGAGACCTGTGCA
 AATGGTGAAGCAGCAGGCTGCATATCAACCATAGCCTATCCAACATCCAGTGGCTCCAAA
 AGATGAATCCTGATGGACTGGGCTCCGCCACATCAAGCCAGAGATGGAGGAAAAGAGAAT
 TGTCCCCTGGAGCACCGGGTTAAGGTTGAGGACCCTTCGGGACATAAAGGTCCTGGC

Restriction Sites:

Please inquire

ACCN:

NM_202003

Insert Size:	3400 bp
OTI Disclaimer:	<p>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.</p> <p>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</p>
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:	NM_202003.1 , NP_973732.1
RefSeq Size:	3487 bp
RefSeq ORF:	2247 bp
Locus ID:	2305
UniProt ID:	Q08050
Cytogenetics:	12p13.33
Protein Families:	Transcription Factors
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) lacks two alternate in-frame exons compared to variant 1. The resulting isoform (3) has the same N- and C-termini but is shorter compared to isoform 1.</p>