

## Product datasheet for **SC323762**

### FOXM1 (NM\_021953) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	FOXM1 (NM_021953) 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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_021953.2

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GTGAAAACGCAGATTTCATAATGAAAAGTCCCGCCGCTCGGCCACTGATTCTCAAAGACG
GAGGCTGCCCCCTCCTGTTCAAATGCCCAAGTGAAACATCAGAGGAGGAACCTAAGAG
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CAAAGAGGAATCATCTCACTCCTGGGAGGATTCGTCCCAATCTCCCACCCCAAGACCCAA  
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 GGAGGATGGATGCAACTGAAGCAGAGTGTGGGTGCCAGATGTGCGCTATTAGATGTTTT  
 TCTGATAATGTCCCAATCATACCAGGGAGACTGGCATTGACGAGAACTCAGGTGGAGGC  
 TTGAGAAGGCCGAAAGGGCCCTGACCTGCCTGGCTTCTTAGCTTGCCCTCAGCTTTG  
 CAAAGAGCCACCCTAGGCCCCAGCTGACCGCATGGGTGTGAGCCAGCTTGAGAACACTAA  
 CTAACAATAAAAGCGAAGGTGGAAAAAAAAAAAAAAAAAAAAA

- Restriction Sites:** ECoRI-NOT
- ACCN:** NM\_021953
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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\\_021953.2](#), [NP\\_068772.2](#)

**RefSeq Size:** 3527 bp

**RefSeq ORF:** 2292 bp

**Locus ID:** 2305

**UniProt ID:** [Q08050](#)

**Cytogenetics:** 12p13.33

**Domains:** FH

**Protein Families:** Transcription Factors

**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]  
Transcript Variant: This variant (2) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is shorter compared to isoform 1.