

Product datasheet for **SC112825**

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:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC112825 sequence for NM_021953 edited (data generated by NextGen Sequencing)

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ATGAAAAC TAGCCCCGTCGGCCACTGATTCTCAAAGACGGAGGCTGCCCTTCCTGTT
CAAAATGCCCAAGTGAAACATCAGAGGAGGAACCTAAGAGATCCCCTGCCCAACAGGAG
TCTAATCAAGCAGAGGCCCTCAAAGGAAGTGGCAGAGTCCAACCTTTGCAAGTTTCCAGCT
GGGATCAAGATTATTAACCACCCACCATGCCAACACGCAAGTAGTGGCCATCCCCAAC
AATGCTAATATTACAGCATCATCACAGCACTGACTGCCAAGGGAAAAGAGAGTGGCAGT
AGTGGGCCCAACAAATTCATCCTCATCAGCTGTGGGGAGCCCCAACTCAGCCTCCAGGA
CTCCGGCCTCAAACCCAAACCAGCTATGATGCCAAAAGGACAGAAGTGACCCTGGAGACC
TTGGGACCAAAACCTGCAGCTAGGGATGTGAATCTTCTAGACCACCTGGAGCCCTTTGC
GAGCAGAAACGGGAGACCTGTGCAGATGGTGGGAGCAGGCTGCACTATCAACAATAGC
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AAGCAAGAGATGGAGGAAAAGGAGAATTGTCACCTGGAGCAGCGACAGGTTAAGGTTGAG
GAGCCTTCGAGACCATCAGCGTCTGGCAGAACTCTGTGTCTGAGCGGCCACCCTACTCT
TACATGGCCATGATACAATTCGCCATCAACAGCACTGAGAGGAAGCGCATGACTTTGAAA
GACATCTATACGTGGATTGAGGACCACTTCCCTACTTTAAGCACATTGCCAAGCCAGGC
TGAAGAAGTCCATCCGCCACAACCTTTCCCTGCACGACATGTTTGTCCGGGAGAGCTGT
GCCAATGGCAAGGTCTCCTTCTGGACCATTACCCCAAGTCCCAACCGCTACTTGACATTG
GACCAGGTGTTTAAAGCCACTGGACCCAGGGTCTCCACAATTGCCCGAGCACTTGGAAATCA
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CCCATTAAGGAAACGCTGCCATCTCCTCCACCCCGAGCAAATCTGTCCTCCCCAGAACC
CCTGAATCCTGGAGGCTCACGCCCCAGCCAAAGTAGGGGGACTGGATTTAGCCAGTA
CAAACCTCCCAGGGTGCCTCTGACCCCTTGCTGACCCCTGGGGCTGATGGATCTCAGC
ACCACTCCCTTGCAAAGTGTCCCCCTTGAATCACCGCAAAGGCTCCTCAGTTCAGAA
CCCTTAGACCTCATCTCCGTCCCCTTTGGCAACTTTCTCCCTCAGATATAGACGTCCCC
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GAGCTACAGTAG
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Clone variation with respect to NM_021953.3

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_021953 unedited
 GTGTACCATTTTGAATACAACACTACTATAGGCGGCCGCGAAATTCGCACGAGGGGTCCA
 CACTTGTGATTCTCAATGGAGAGTGAAAACGCAGATTCATAATGAAAAGTACCCCGCTC
 GGCCACTGATTCTCAAAGACGGAGGCTGCCCTTCTGTTCAAATGCCCAAGTGAAA
 CATCAGAGGAGGAACCTAAGAGATCCCCGCCAACAGGAGTCTAATCAAGCAGAGGCT
 CCAAGGAAGTGGCAGAGTCCAACCTTTGCAAGTTTCCAGCTGGGATCAAGATTATTAACC
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 TCATCACAGCACTGACTGCCAAGGGAAAAGAGAGTGGCAGTACTGGGCCCAACAAATTC
 TCCTCATCACCTGTGGGGAGGCCCAACTCAGCCTCCAGGACTCCGGCCTCAAACCCAAA
 CCAGCTATGATGCCAAAAGGACAGAAGTGACCCTGGAGACCTTGGGACAAAACCTGCAG
 CTAGGGATGTGAATCTTCTAGACCACCTGTAGCCCTTTGCGAGCAGAAACGGGAGACCT
 GTGCAGATGGTGAGGCACCAGGCTGCACATCAACAATAGCCTATTCCACATCCAGTGGC
 CTTGAAAGATGAGTCTGATGGCTGGGCTCCCAGCATCAAGCCAGAGATGGAGGGA
 AAGGAAAATTTGCACCTCGGGCACACCACAGGTTAAGGTTGAAGAGCCTTCGAAACCT
 CATCGTCCGGAACAACCTGTGTCTCGACGGACCTCACTCTTACATGGGCATGAAAC
 CAATCGCCATCAACCCATTGATAAGAAGCCCATGCACCTTGAACATCTATACGTCGC
 ATTGAGGACCCTCTTCTTACTTAACCCCTTTGCCAGCCAC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_021953 unedited
 AATCTAGAGTCGAGTTTTTTTTTTTTTTTTTGCATGTCCACCTTCGCTTTTATTGAGTA
 GTTAGTGTCTCAAGCTGGCTCACACCCATGCGGTCAGCTGGGGCTAGGGTGGCTTTT
 GCAAAGCTGAGGGGCAAGCTAAGGAAGCCAGGCAGGTGAGGGCCCTTTTCGGCCTTCTCA
 AGCCTCCACCTGAGTTCTCGTCAATGCCAGTCTCCCTGGTATGATTGGGGACATTATCAG
 AGAAACATCTAATAGCGCACATCTGGGCACCCACACTCTGCTTCAGTTGCATCCATCCTC
 CCACCCAAAATCAACTCCTGACCCAATACAAAAGACTTTTTTAACCAGGATTTCTTCTT
 GCAGGAAAGCTGACTTGGAAACACGGGGAGGTGGCAGGGAGGGGCAAAAAGGACTCTGGC
 AAGCAGATCCACTTGTCTGGGTCCTGCAGTGAAGAACCACAGATCCAGGTACCTCAGCC
 TGGAAAGAAACCGTGCACCTGCAGGCTTCCCTTCTATCAAACTAAAAGCAAGGAACAGAA
 GTCAATTGAAACCCAGGTATCCTACCCACCTTCTGGCAGTCTCTGGATAATGATCTAA
 GGAATAAGCTTACATTTATAATTAGAGGATAATTTGGAGAATTTATACTATTTACACGG
 ACCACNCCTGCAAGATCAGGNAAGGGTAGAGACTGCTGGGCAGAGAATGGAACAGGCTG
 GAGGGNTCCTAATCTCTTTTACCATTGGCTTAGTAGNTCCACCCNCAGCTTCTGGCAGG
 GACAGCAGATGAATCAGATACTCCTGGGGAACACAAAGTCCANCAGTGGCTATGGTGTG
 ACTGCTACTTTTGCATATCCAGGCACCAAGGAGCTATGAGGAGCANAANCAGTCTGGCC
 TGCTGCCCTCACTCAAAGGCTCGGGNTGACCTGAGCCTTGGATGCCCCGGATGTTGGCAG
 CTTGNCCAAGGGCAAGCCAGGCCTTACTGACTCAGGATAACTGGACANNTGAGTGCAGG
 CCCAAGGGTCCTTCC

Restriction Sites:

ECORI-NOT

ACCN:

NM_021953

Insert Size:

3460 bp

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).

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.