

Product datasheet for **RG202246**

FOXM1 (NM_021953) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FOXM1 (NM_021953) Human Tagged ORF Clone
Tag:	TurboGFP
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-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>RG202246 representing NM_021953
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAAAC TAGCCCCGTCGGCCACTGATTCTCAAAGACGGAGGCTGCCCTTCTGTTCAAAATGCC
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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

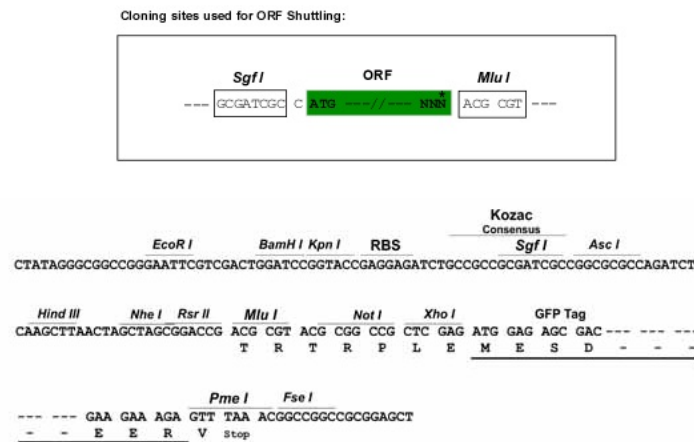
Protein Sequence: >RG202246 representing NM_021953
Red=Cloning site Green=Tags(s)

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MKTSPRRPLILKRRRLPLPVQNPSETSEEPKRSPAQQESNQAEASKEVAESNSCKFPAGIKIINHPTM
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RNMTIKTELPLGARRKMKPLLPRVSSYLVIQFPVNQSLVLQPSVKVPLPLAASLMSEELARHSKRVRIA
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LFSEGPSTSRWAAELPPADSSDPASQLSYSQEVGGPFKTIKETLPISSTPSKSVLPRTPE SWRLTPPA
KVGGLDFSPVQTSQ GASDPLPDPLGLMDLSTTPLQSAPPLESPQRLLSSEPLDLISVPFGNSSPSDIDVP
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```

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_021953

ORF Size: 2289 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_021953.3](#)

RefSeq Size: 3527 bp

RefSeq ORF: 2292 bp

Locus ID: 2305

UniProt ID: [Q08050](#)

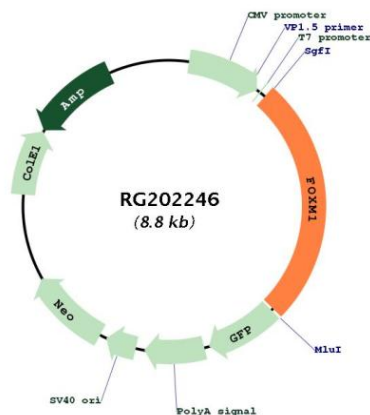
Cytogenetics: 12p13.33

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]

Product images:



Circular map for RG202246