

Product datasheet for RC202246L2

FOXM1 (NM_021953) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids Product Name: FOXM1 (NM_021953) Human Tagged Lenti ORF Clone Tag: mGFP Symbol: FOXM1 Synonyms: FKHL16; FOXM1A; FOXM1B; FOXM1C; HFH-11; HFH11; HNF-3; INS-1; MPHOSPH2; MPP-2; MPP2; PIG29; TRIDENT Mammalian Cell None Selection: Vector: pLenti-C-mGFP (PS100071) E. coli Selection: Chloramphenicol (34 ug/mL) **ORF** Nucleotide The ORF insert of this clone is exactly the same as(RC202246). Sequence: **Restriction Sites:** Sgfl-Mlul **Cloning Scheme:** Cloning sites used for ORF Shuttling: ORF

EcoR I BamH I RBS Sgf I ORF CTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGC C ATG Mlu I Notl_Xhol mGFP Tag NNN ACG CGT ACG CGG CCG CTC GAG ATG AGC GGG GGC T R T R P L E M S G G Pme I GGA CTC AGA TAA GTT TAA ACGGCCGGCCGCGG G L R Ston

--- GCG ATC GCC ATG --- // --- NNN ACG CGT ---

Mlu I

Safl

* The last codon before the Stop codon of the ORF.

ACCN: **ORF Size:** NM 021953 2289 bp

OriGene Technologies, Inc.

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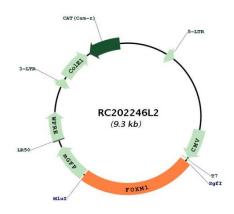
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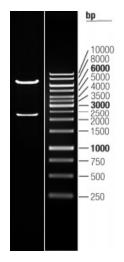
	1 (NM_021953) Human Tagged Lenti ORF Clone – RC202246L2
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), 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. <u>More info</u>
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:	 Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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 021953.2</u>
RefSeq Size:	3551 bp
RefSeq ORF:	2292 bp
Locus ID:	2305
UniProt ID:	<u>Q08050</u>
Cytogenetics:	12p13.33
Domains:	FH
Protein Families:	Transcription Factors
MW:	84.3 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]

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Product images:



Circular map for RC202246L2



Double digestion of RC202246L2 using Sgfl and Mlul

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