

## Product datasheet for **RC211408L4V**

### FOXA2 (NM\_153675) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	FOXA2 (NM_153675) Human Tagged ORF Clone Lentiviral Particle
Symbol:	FOXA2
Synonyms:	HNF-3-beta; HNF3B; TCF3B
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_153675
ORF Size:	1371 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC211408).
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. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_153675.1</a>
RefSeq Size:	2230 bp
RefSeq ORF:	1374 bp
Locus ID:	3170
UniProt ID:	<a href="#">Q9Y261</a>
Cytogenetics:	20p11.21
Protein Families:	Embryonic stem cells, ES Cell Differentiation/IPS, Induced pluripotent stem cells, Transcription Factors

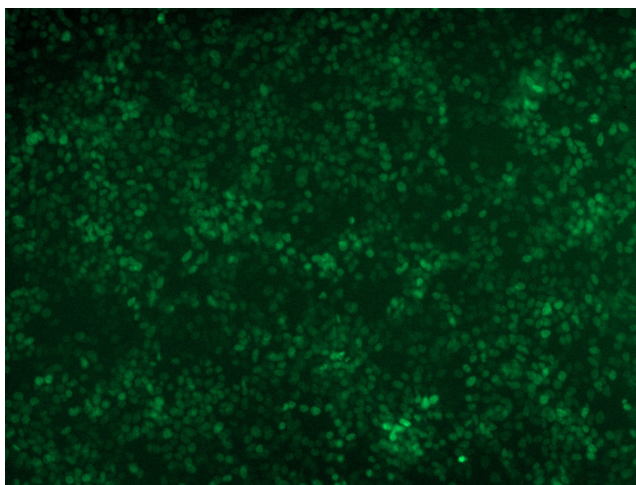

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**Protein Pathways:** Maturity onset diabetes of the young

**MW:** 48.1 kDa

**Gene Summary:** This gene encodes a member of the forkhead class of DNA-binding proteins. These hepatocyte nuclear factors are transcriptional activators for liver-specific genes such as albumin and transthyretin, and they also interact with chromatin. Similar family members in mice have roles in the regulation of metabolism and in the differentiation of the pancreas and liver. This gene has been linked to sporadic cases of maturity-onset diabetes of the young. Transcript variants encoding different isoforms have been identified for this gene. [provided by RefSeq, Oct 2008]

### Product images:



[RC211408L4] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC211408L4V particle to overexpress human FOXA2-mGFP fusion protein.