

## Product datasheet for **MR222345L4V**

### Foxo4 (NM\_018789) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Foxo4 (NM_018789) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Foxo4
Synonyms:	afx; Afxh; Mllt7
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_018789
ORF Size:	1518 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR222345).
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_018789.2</a> , <a href="#">NP_061259.1</a>
RefSeq Size:	3162 bp
RefSeq ORF:	1518 bp
Locus ID:	54601
UniProt ID:	<a href="#">Q9WVH3</a>
Cytogenetics:	X 43.89 cM



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**Gene Summary:**

Transcription factor involved in the regulation of the insulin signaling pathway. Binds to insulin-response elements (IREs) and can activate transcription of IGFBP1. Down-regulates expression of HIF1A and suppresses hypoxia-induced transcriptional activation of HIF1A-modulated genes. Also involved in negative regulation of the cell cycle. Involved in increased proteasome activity in embryonic stem cells (ESCs) by activating expression of PSMD11 in ESCs, leading to enhanced assembly of the 26S proteasome, followed by higher proteasome activity (By similarity). Represses smooth muscle cell differentiation by inhibiting the transcriptional coactivator activity of myocardin.[UniProtKB/Swiss-Prot Function]