

Product datasheet for **MR225684L4V**

Foxl2 (NM_012020) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Foxl2 (NM_012020) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Foxl2
Synonyms:	AU045128; BPES; Pfrk; PINTO
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_012020
ORF Size:	1125 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR225684).
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.
RefSeq:	NM_012020.2 , NP_036150.1
RefSeq Size:	2520 bp
RefSeq ORF:	1128 bp
Locus ID:	26927
UniProt ID:	O88470
Cytogenetics:	9 E3.3



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Gene Summary:

Transcriptional regulator. Critical factor essential for ovary differentiation and maintenance, and repression of the genetic program for somatic testis determination. Prevents trans-differentiation of ovary to testis through transcriptional repression of the Sertoli cell-promoting gene SOX9. Has apoptotic activity in ovarian cells. Suppresses ESR1-mediated transcription of PTGS2/COX2 stimulated by tamoxifen. Activates SIRT1 transcription under cellular stress conditions. Activates transcription of OSR2. Is a regulator of CYP19 expression. Is a transcriptional repressor of STAR. Participates in SMAD3-dependent transcription of FST via the intronic SMAD-binding element.[UniProtKB/Swiss-Prot Function]