

Product datasheet for **MR224582L3V**

Foxe3 (NM_015758) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Symbol:	Foxe3
Synonyms:	dyl; FREAC8; rct
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_015758
ORF Size:	864 bp

ORF Nucleotide Sequence: The ORF insert of this clone is exactly the same as(MR224582).

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_015758.2
RefSeq Size:	867 bp
RefSeq ORF:	867 bp
Locus ID:	30923
UniProt ID:	Q9QY14
Cytogenetics:	4 D1



Gene Summary:

Transcription factor that controls lens epithelial cell growth through regulation of proliferation, apoptosis and cell cycle (PubMed:10652278, PubMed:10890982). During lens development, controls the ratio of the lens fiber cells to the cells of the anterior lens epithelium by regulating the rate of proliferation and differentiation (PubMed:16199865). Controls lens vesicle closure and subsequent separation of the lens vesicle from ectoderm (PubMed:10652278). Is required for morphogenesis and differentiation of the anterior segment of the eye (PubMed:17064680). Controls the expression of DNAJB1 in a pathway that is crucial for the development of the anterior segment of the eye (By similarity).[UniProtKB/Swiss-Prot Function]