

Product datasheet for **MR221285L4V**

Stox1 (NM_001033260) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Stox1 (NM_001033260) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Stox1
Synonyms:	4732470K04Rik; Gm63
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001033260
ORF Size:	2973 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR221285).
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_001033260.1
RefSeq Size:	3102 bp
RefSeq ORF:	2973 bp
Locus ID:	216021
UniProt ID:	B2RQL2
Cytogenetics:	10 B4



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Gene Summary:

Involved in regulating the levels of reactive oxidative species and reactive nitrogen species and in mitochondrial homeostasis in the placenta (By similarity). Required for regulation of inner ear epithelial cell proliferation via the AKT signaling pathway (PubMed:25677106). Involved in cell cycle regulation by binding to the CCNB1 promoter, up-regulating its expression and promoting mitotic entry (By similarity). Induces phosphorylation of MAPT/tau (By similarity).[UniProtKB/Swiss-Prot Function]