

Product datasheet for **MR227617L4V**

Pitx2 (NM_001042504) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Pitx2 (NM_001042504) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Pitx2
Synonyms:	9430085M16Rik; Brx1; Brx1b; Munc30; Otlx2; Ptx2; Rieg
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001042504
ORF Size:	813 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR227617).
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_001042504.1 , NP_001035969.1
RefSeq Size:	1759 bp
RefSeq ORF:	816 bp
Locus ID:	18741
UniProt ID:	P97474
Cytogenetics:	3 57.84 cM



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Gene Summary:

Controls cell proliferation in a tissue-specific manner and is involved in morphogenesis. During embryonic development, exerts a role in the expansion of muscle progenitors. May play a role in the proper localization of asymmetric organs such as the heart and stomach. Isoform Ptx2c is involved in left-right asymmetry the developing embryo.[UniProtKB/Swiss-Prot Function]