

Product datasheet for **MR204502L4V**

Pitx1 (NM_011097) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Pitx1 (NM_011097) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Pitx1
Synonyms:	Bft; P-OTX; Potx; Ptx1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_011097
ORF Size:	948 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR204502).
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_011097.2 , NP_035227.1
RefSeq Size:	2448 bp
RefSeq ORF:	948 bp
Locus ID:	18740
UniProt ID:	P70314
Cytogenetics:	13 30.06 cM



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Gene Summary:

Sequence-specific transcription factor that binds gene promoters and activates their transcription. May play a role in the development of anterior structures, and in particular, the brain and facies and in specifying the identity or structure of hindlimb. Can independently activate and synergize with PIT-1 on pituitary-specific target gene promoters, thus may subserve functions in generating both precursor and specific cell phenotypes in the anterior pituitary gland and in several other organs. Can activate pituitary transcription of the proopiomelanocortin gene.[UniProtKB/Swiss-Prot Function]