

## Product datasheet for **RC202902L3V**

### **PITX3 (NM\_005029) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	PITX3 (NM_005029) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PITX3
Synonyms:	ASGD1; ASMD; ASOD; CTPP4; CTRCT11; PTX3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_005029
ORF Size:	906 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC202902).
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. <a href="#">More info</a>
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:	<a href="#">NM_005029.3</a>
RefSeq Size:	1407 bp
RefSeq ORF:	909 bp
Locus ID:	5309
UniProt ID:	<a href="#">O75364</a>
Cytogenetics:	10q24.32
Protein Families:	Druggable Genome, Transcription Factors
MW:	31.8 kDa



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**Gene Summary:**

This gene encodes a member of the RIEG/PITX homeobox family, which is in the bicoid class of homeodomain proteins. Members of this family act as transcription factors. This protein is involved in lens formation during eye development. Mutations of this gene have been associated with anterior segment mesenchymal dysgenesis and congenital cataracts. [provided by RefSeq, Jul 2008]