

## Product datasheet for **RC214129L4V**

### **PAX8 (NM\_013952) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	PAX8 (NM_013952) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PAX8
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_013952
ORF Size:	1194 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC214129).
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_013952.3</a>
RefSeq Size:	3986 bp
RefSeq ORF:	1197 bp
Locus ID:	7849
UniProt ID:	<a href="#">Q06710</a>
Cytogenetics:	2q14.1
Protein Families:	Druggable Genome, Transcription Factors
Protein Pathways:	Pathways in cancer, Thyroid cancer
MW:	42.8 kDa



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**Gene Summary:**

This gene encodes a member of the paired box (PAX) family of transcription factors. Members of this gene family typically encode proteins that contain a paired box domain, an octapeptide, and a paired-type homeodomain. This nuclear protein is involved in thyroid follicular cell development and expression of thyroid-specific genes. Mutations in this gene have been associated with thyroid dysgenesis, thyroid follicular carcinomas and atypical follicular thyroid adenomas. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Mar 2010]