

Product datasheet for RC214188L3

PAX8 (NM_013953) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: PAX8 (NM_013953) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Mammalian Cell Puromycin

Selection: Vector:

Symbol:

pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

PAX8

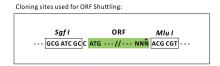
ORF Nucleotide The ORF insert of t

Sequence:

The ORF insert of this clone is exactly the same as(RC214188).

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_013953

ORF Size: 963 bp

OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



PAX8 (NM_013953) Human Tagged Lenti ORF Clone - RC214188L3

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.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube

containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method: 1. Centrifuge at 5,000xg for 5min.

2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.

3. Close the tube and incubate for 10 minutes at room temperature.

4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of

shipping when stored at -20°C.

RefSeq: <u>NM 013953.3</u>

 RefSeq Size:
 3755 bp

 RefSeq ORF:
 966 bp

 Locus ID:
 7849

 UniProt ID:
 Q06710

Cytogenetics: 2q14.1

Protein Families: Druggable Genome, Transcription Factors

Protein Pathways: Pathways in cancer, Thyroid cancer

MW: 34.7 kDa

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]