**OriGene Technologies, Inc.**
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

# Product datasheet for RC207681L4V

## POLE4 (NM_019896) Human Tagged ORF Clone Lentiviral Particle

### Product data:

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|---|---|
| **Product Type:** | Lentiviral Particles |
| **Product Name:** | POLE4 (NM_019896) Human Tagged ORF Clone Lentiviral Particle |
| **Symbol:** | POLE4 |
| **Synonyms:** | p12; YHHQ1 |
| **Mammalian Cell Selection:** | Puromycin |
| **Vector:** | pLenti-C-mGFP-P2A-Puro (PS100093) |
| **Tag:** | mGFP |
| **ACCN:** | NM_019896 |
| **ORF Size:** | 351 bp |
| **ORF Nucleotide Sequence:** | The ORF insert of this clone is exactly the same as(RC207681). |
| **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_019896.2 |
| **RefSeq Size:** | 710 bp |
| **RefSeq ORF:** | 354 bp |
| **Locus ID:** | 56655 |
| **UniProt ID:** | Q9NR33 |
| **Cytogenetics:** | 2p12 |
| **Domains:** | CBFD_NFYB_HMF |

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|---|---|
| **Protein Pathways:** | Base excision repair, DNA replication, Metabolic pathways, Nucleotide excision repair, Purine metabolism, Pyrimidine metabolism |
| **MW:** | 12.3 kDa |
| **Gene Summary:** | POLE4 is a histone-fold protein that interacts with other histone-fold proteins to bind DNA in a sequence-independent manner. These histone-fold protein dimers combine within larger enzymatic complexes for DNA transcription, replication, and packaging.[supplied by OMIM, Apr 2004] |