

Product datasheet for **RC217782L4V**

DROSHA (NM_001100412) Human Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | DROSHA (NM_001100412) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | DROSHA |
| Synonyms: | ETOHI2; HSA242976; RANSE3L; RN3; RNASE3L; RNASEN |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_001100412 |
| ORF Size: | 4011 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC217782). |
| 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_001100412.1 |
| RefSeq Size: | 5389 bp |
| RefSeq ORF: | 4014 bp |
| Locus ID: | 29102 |
| UniProt ID: | Q9NRR4 |
| Cytogenetics: | 5p13.3 |
| MW: | 155.2 kDa |



[View online »](#)

Gene Summary:

This gene encodes a ribonuclease (RNase) III double-stranded RNA-specific ribonuclease and subunit of the microprocessor protein complex, which catalyzes the initial processing step of microRNA (miRNA) synthesis. The encoded protein cleaves the stem loop structure from the primary microRNA (pri-miRNA) in the nucleus, yielding the precursor miRNA (pre-miRNA), which is then exported to the cytoplasm for further processing. In a human cell line lacking a functional copy of this gene, canonical miRNA synthesis is reduced. Somatic mutations in this gene have been observed in human patients with kidney cancer. [provided by RefSeq, Sep 2016]