

## Product datasheet for RC221708L3V

## OriGene Technologies, Inc.

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## DRP1 (DNM1L) (NM\_012062) Human Tagged ORF Clone Lentiviral Particle

**Product data:** 

**Product Type:** Lentiviral Particles

Product Name: DRP1 (DNM1L) (NM\_012062) Human Tagged ORF Clone Lentiviral Particle

Symbol: DRP1

Synonyms: DLP1; DRP1; DVLP; DYMPLE; EMPF; EMPF1; HDYNIV; OPA5

**Mammalian Cell** 

Selection:

Puromycin

**Vector:** pLenti-C-Myc-DDK-P2A-Puro (PS100092)

Tag: Myc-DDK
ACCN: NM\_012062

ORF Size: 2208 bp

**ORF Nucleotide** 

Sequence:

The ORF insert of this clone is exactly the same as(RC221708).

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: <u>NM 012062.2</u>

 RefSeq Size:
 3293 bp

 RefSeq ORF:
 2211 bp

 Locus ID:
 10059

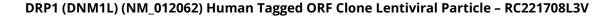
 UniProt ID:
 000429

 Cytogenetics:
 12p11.21

**Protein Pathways:** Endocytosis, Fc gamma R-mediated phagocytosis

**MW:** 81.7 kDa







## **Gene Summary:**

This gene encodes a member of the dynamin superfamily of GTPases. The encoded protein mediates mitochondrial and peroxisomal division, and is involved in developmentally regulated apoptosis and programmed necrosis. Dysfunction of this gene is implicated in several neurological disorders, including Alzheimer's disease. Mutations in this gene are associated with the autosomal dominant disorder, encephalopathy, lethal, due to defective mitochondrial and peroxisomal fission (EMPF). Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jun 2013]