

## Product datasheet for RC228391L2V

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### C16orf73 (MEIOB) (NM\_001163560) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

**Product Type:** Lentiviral Particles

**Symbol:** C16orf73

**Synonyms:** C16orf73; gsl29; SPGF22

**Mammalian Cell:** None

**Selection:**

**Vector:** pLenti-C-mGFP (PS100071)

**Tag:** mGFP

**ACCN:** NM\_001163560

**ORF Size:** 1413 bp

**ORF Nucleotide Sequence:** The ORF insert of this clone is exactly the same as (RC228391).

**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\\_001163560.1](#)

**RefSeq ORF:** 1416 bp

**Locus ID:** 254528

**UniProt ID:** [Q8N635](#)

**Cytogenetics:** 16p13.3

**MW:** 52.7 kDa



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This product is to be used for laboratory only. Not for diagnostic or therapeutic use.

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<b>Gene Summary:</b>	Single-stranded DNA-binding protein required for homologous recombination in meiosis I. Required for double strand breaks (DSBs) repair and crossover formation and promotion of faithful and complete synapsis. Not required for the initial loading of recombinases but required to maintain a proper number of RAD51 and DMC1 foci after the zygotene stage. May act by ensuring the stabilization of recombinases, which is required for successful homology search and meiotic recombination. Displays Single-stranded DNA 3'-5' exonuclease activity in vitro (By similarity).[UniProtKB/Swiss-Prot Function]
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