

Product datasheet for **RC228391L4V**

C16orf73 (MEIOB) (NM_001163560) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Symbol:	C16orf73
Synonyms:	C16orf73; gsl29; SPGF22
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
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



Gene Summary:

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]