

Product datasheet for **RC219115L3V**

ZP2 (NM_003460) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	ZP2 (NM_003460) Human Tagged ORF Clone Lentiviral Particle
Symbol:	ZP2
Synonyms:	OOMD6; Zp-2; ZPA
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_003460
ORF Size:	2235 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC219115).
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_003460.1
RefSeq Size:	2266 bp
RefSeq ORF:	2238 bp
Locus ID:	7783
UniProt ID:	Q05996
Cytogenetics:	16p12.3-p12.2
Domains:	zona_pellucida
Protein Families:	Secreted Protein, Transmembrane



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MW: 82.4 kDa

Gene Summary: The zona pellucida is an extracellular matrix that surrounds the oocyte and early embryo. It is composed of three glycoproteins with various functions during fertilization and preimplantation development. The glycosylated mature peptide is one of the structural components of the zona pellucida and functions in secondary binding and penetration of acrosome-reacted spermatozoa. Female mice lacking this gene do not form a stable zona matrix and are sterile. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2014]