

Product datasheet for **RC209843L4V**

Protamine 2 (PRM2) (NM_002762) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Protamine 2 (PRM2) (NM_002762) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Protamine 2
Synonyms:	CT94.2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_002762
ORF Size:	306 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC209843).
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_002762.2
RefSeq Size:	683 bp
RefSeq ORF:	309 bp
Locus ID:	5620
UniProt ID:	P04554
Cytogenetics:	16p13.13
MW:	13.1 kDa



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Gene Summary:

Protamines substitute for histones in the chromatin of sperm during the haploid phase of spermatogenesis, and are the major DNA-binding proteins in the nucleus of sperm in many vertebrates. They package the sperm DNA into a highly condensed complex in a volume less than 5% of a somatic cell nucleus. Many mammalian species have only one protamine (protamine 1); however, a few species, including human and mouse, have two. This gene encodes protamine 2, which is cleaved to give rise to a family of protamine 2 peptides. Alternatively spliced transcript variants have also been found for this gene. [provided by RefSeq, Sep 2015]