

Product datasheet for **MR209394L4V**

Clgn (NM_009904) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Symbol:	Clgn
Synonyms:	4930459O04Rik; A2/; A2/6; A1528775; C; calne; Cln
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_009904
ORF Size:	1833 bp

ORF Nucleotide Sequence: The ORF insert of this clone is exactly the same as(MR209394).

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_009904.2
RefSeq Size:	2307 bp
RefSeq ORF:	1836 bp
Locus ID:	12745
UniProt ID:	P52194
Cytogenetics:	8 39.97 cM



Gene Summary:

This gene belongs to the calreticulin family, which includes calreticulin, calnexin, and calmeglin, and encodes a calcium-binding molecular chaperone specifically expressed in pachytene stage male germ cells. It is required for the proper folding of newly synthesized membrane proteins in the endoplasmic reticulum including those critical for sperm migration from the uterus into the oviduct and sperm adhesion to and penetration of the zona pellucida. This gene plays a key role in spermatogenesis and male infertility. Alternative splice variants exist for this gene. [provided by RefSeq, Jul 2016]