

## Product datasheet for **MR222659L4V**

### Fcgrt (NM\_010189) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Fcgrt (NM_010189) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Fcgrt
Synonyms:	FcRn
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_010189
ORF Size:	1095 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR222659).
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. <a href="#">More info</a>
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:	<a href="#">NM_010189.3</a> , <a href="#">NP_034319.2</a>
RefSeq Size:	1738 bp
RefSeq ORF:	1098 bp
Locus ID:	14132
UniProt ID:	<a href="#">Q61559</a>
Cytogenetics:	7 29.12 cM



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**Gene Summary:**

Binds to the Fc region of monomeric immunoglobulins gamma (PubMed:7504013). Mediates the selective uptake of IgG from milk and helps newborn animals to acquire passive immunity. IgG in the milk is bound at the apical surface of the intestinal epithelium. The resultant FcRn-IgG complexes are transcytosed across the intestinal epithelium and IgG is released from FcRn into blood or tissue fluids (By similarity). Possible role in transfer of immunoglobulin G from mother to fetus (By similarity).[UniProtKB/Swiss-Prot Function]