

Product datasheet for **MR209218L4V**

Rec8 (NM_020002) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Rec8 (NM_020002) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Rec8
Synonyms:	mrec; Rec8L1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_020002
ORF Size:	1776 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR209218).
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_020002.2 , NP_064386.2
RefSeq Size:	2055 bp
RefSeq ORF:	1776 bp
Locus ID:	56739
UniProt ID:	Q8C5S7
Cytogenetics:	14 28.19 cM



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Gene Summary:

Required during meiosis for separation of sister chromatids and homologous chromosomes. Proteolytic cleavage of REC8 on chromosome arms by separin during anaphase I allows for homologous chromosome separation in meiosis I and cleavage of REC8 on centromeres during anaphase II allows for sister chromatid separation in meiosis II.[UniProtKB/Swiss-Prot Function]