

Product datasheet for **MR209310L4V**

4930432K21Rik (NM_029045) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	4930432K21Rik (NM_029045) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	4930432K21Rik
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_029045
ORF Size:	1803 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR209310).
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_029045.1 , NP_083321.1
RefSeq Size:	2494 bp
RefSeq ORF:	1803 bp
Locus ID:	74666
UniProt ID:	Q6DIA7
Cytogenetics:	8 C2



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Gene Summary:

Meiotic recombination factor component of recombination bridges involved in meiotic double-strand break repair (PubMed:32463460, PubMed:32460033). Modulates the localization of recombinases DMC1:RAD51 to meiotic double-strand break (DSB) sites through the interaction with and stabilization of the BRCA2:HSF2BP complex during meiotic recombination (PubMed:32460033, PubMed:32463460). Indispensable for the DSB repair, homologous synapsis, and crossover formation that are needed for progression past metaphase I, is essential for spermatogenesis and male fertility (PubMed:32463460, PubMed:32460033).[UniProtKB/Swiss-Prot Function]