

Product datasheet for **MR221899L4V**

Fanci (NM_145946) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Fanci (NM_145946) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Fanci
Synonyms:	MGC38195; MGC38407
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_145946
ORF Size:	3990 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR221899).
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_145946.2 , NP_666058.2
RefSeq Size:	4621 bp
RefSeq ORF:	3993 bp
Locus ID:	208836
UniProt ID:	Q8K368
Cytogenetics:	7 D2



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Gene Summary:

Plays an essential role in the repair of DNA double-strand breaks by homologous recombination and in the repair of interstrand DNA cross-links (ICLs) by promoting FANCD2 monoubiquitination by FANCL and participating in recruitment to DNA repair sites. Required for maintenance of chromosomal stability. Specifically binds branched DNA: binds both single-stranded DNA (ssDNA) and double-stranded DNA (dsDNA). Participates in S phase and G2 phase checkpoint activation upon DNA damage.[UniProtKB/Swiss-Prot Function]