

Product datasheet for **MR202365L4V**

Xrcc3 (BC043073) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Xrcc3 (BC043073) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Xrcc3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	BC043073
ORF Size:	645 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR202365).
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:	BC043073 , AAH43073
RefSeq Size:	2318 bp
RefSeq ORF:	647 bp
Locus ID:	74335
Cytogenetics:	12 F1



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Gene Summary:

This gene encodes a member of the RecA/Rad51-related protein family that participates in homologous recombination to maintain chromosome stability and repair DNA damage. This gene functionally complements Chinese hamster *irs1SF*, a repair-deficient mutant that exhibits hypersensitivity to a number of different DNA-damaging agents and is chromosomally unstable. Allelic variants in the human gene are associated with susceptibility to breast cancer and cutaneous malignant melanoma. [provided by RefSeq, Sep 2015]