

## Product datasheet for **MR207453L4V**

### Nup50 (NM\_016714) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Nup50 (NM_016714) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Nup50
Synonyms:	1700030K07Rik; AI413123; Npap60
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_016714
ORF Size:	1401 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR207453).
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_016714.2</a> , <a href="#">NP_057923.2</a>
RefSeq Size:	4766 bp
RefSeq ORF:	1401 bp
Locus ID:	18141
UniProt ID:	<a href="#">Q9JIH2</a>
Cytogenetics:	15 40.25 cM



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**Gene Summary:**

Component of the nuclear pore complex that has a direct role in nuclear protein import (PubMed:10811608). Actively displaces NLSs from importin-alpha, and facilitates disassembly of the importin-alpha:beta-cargo complex and importin recycling (PubMed:16222336). Interacts with regulatory proteins of cell cycle progression including CDKN1B (PubMed:10891500, PubMed:10811608). This interaction is required for correct intracellular transport and degradation of CDKN1B (PubMed:10811608).[UniProtKB/Swiss-Prot Function]