

## Product datasheet for **RC209653L4V**

### C5orf45 (MRNIP) (NM\_016175) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	C5orf45 (MRNIP) (NM_016175) Human Tagged ORF Clone Lentiviral Particle
Symbol:	C5orf45
Synonyms:	C5orf45
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_016175
ORF Size:	1029 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC209653).
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_016175.3</a>
RefSeq Size:	1229 bp
RefSeq ORF:	1032 bp
Locus ID:	51149
UniProt ID:	<a href="#">Q6NTE8</a>
Cytogenetics:	5q35.3
MW:	37.6 kDa


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**Gene Summary:**

Plays a role in the cellular response to DNA damage and the maintenance of genome stability through its association with the MRN damage-sensing complex (PubMed:27568553). Promotes chromatin loading and activity of the MRN complex to facilitate subsequent ATM-mediated DNA damage response signaling and DNA repair (PubMed:27568553).  
[UniProtKB/Swiss-Prot Function]